SEQUENCE LISTING

<110>   Romeo, Tony
        Wang, Xin
        Desplas, Rebecca L

<120>   E.Coli Mutants

<130>   42623-0044

<140>   10/826,967
<141>   2004-04-16

<150>   US 60/464,062
<151>   2003-04-17

<160>   141

<170>   PatentIn version 3.2

<210>   1
<211>   33
<212>   DNA
<213>   Artificial

<220>
<223>   primer

<220>
<221>   misc_feature
<222>   (21)..(30)
<223>   n is a, c, g, or t

<400>   1
ggccacgcgt cgactagtac nnnnnnnnnn gat   33

<210>   2
<211>   18
<212>   DNA
<213>   Artificial

<220>
<223>   primer

<400>   2
caggctctcc ccgtggag   18

<210>   3
<211>   16
<212>   DNA
<213>   Artificial

<220>
<223>   primer

<400>   3
aaagtgcggg tgatgc   16

<210>   4

```
<211>   20
<212>   DNA
<213>   Artificial

<220>
<223>   primer

<400>   4
ggccacgcgt cgactagtac                                              20


<210>   5
<211>   17
<212>   DNA
<213>   Artificial

<220>
<223>   primer

<400>   5
ctgcctccca gagcctg                                                 17


<210>   6
<211>   23
<212>   DNA
<213>   Artificial

<220>
<223>   primer

<400>   6
ctgacggggt ggtgcgtaac ggc                                          23


<210>   7
<211>   22
<212>   DNA
<213>   Artificial

<220>
<223>   primer

<400>   7
cactcgtgag cgcttacagc cg                                           22


<210>   8
<211>   23
<212>   DNA
<213>   Artificial

<220>
<223>   primer

<400>   8
gattcctcta tttattcgcc cgc                                          23


<210>   9
<211>   23
<212>   DNA
<213>   Artificial
```

<220>
<223> primer'

<400> 9
ctaatcaacg aggaaaaagg gac   23

<210> 10
<211> 24
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 10
aatcggctga atcccacaac ttac   24

<210> 11
<211> 24
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 11
cttctgacac atgcagtgga gttg   24

<210> 12
<211> 26
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 12
gcgattgtac gctgaaatga aagcac   26

<210> 13
<211> 24
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 13
atgccactgc atactgatta accc   24

<210> 14
<211> 28
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 14
cggtgcaaat gccagataag acactaac   28

<210> 15
<211> 17
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 15
caggaaacag ctatgac   17

<210> 16
<211> 25
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 16
aaacgtgaac tgatgcaagg atcgc   25

<210> 17
<211> 25
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 17
gatcatcgct ggcttgctga ttggc   25

<210> 18
<211> 27
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 18
gatattgtga actatcgcaa agaatcc   27

<210> 19
<211> 26
<212> DNA
<213> Artificial

<220>
<223> primer

<400> 19
cgatgcacaa tgcaatcttc gttgcc   26

<210> 20
<211> 220
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<400> 20
caggaaacag ctatgaccat gattacgcca agcttggtac cgagctcgga tccactagta   60

acggccgcca gtgtgctgga attcggctta agccgaattc tgcagatatc catcacactg   120

gcggccgctc gagcatgcat ctagagggcc caattcgccc tatagtgagt cgtattacaa   180

ttcactggcc gtcgttttac aacgtcgtga ctggcaaaac   220

<210> 21
<211> 220
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<400> 21
gtcctttgtc gatactggta ctaatgcggt tcgaaccatg gctcgagcct aggtgatcat   60

tgccggcggt cacacgacct taagccgaat tcggcttaag acgtctatag gtagtgtgac   120

cgccggcgag ctcgtacgta gatctcccgg gttaagcggg atatcactca gcataatgtt   180

aagtgaccgg cagcaaaatg ttgcagcact gacccttttg   220

<210> 22
<211> 309
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<400> 22
aaaaacggtt accggatccg ggatcatatg acaagatgtg tatccacctt aacttaatga   60

ttttttaccaa aatcattagg ggattcatca gggtcaggtc tggatttaag ttccatcctt   120

gatagcctca ccgccgcgca aaaagcgacg ctaaccccca tttcaaatca gcaatcgtcg   180

tttaccgcta aacttagcgc ctacggtacg ctgaaaagcg cgctgacgac tttccagacc   240

gccaatactg cattgtctaa agccgatctt ttttccgcca ccagcaccac cagcagcacc   300

accgcgttc   309

<210> 23
<211> 326
<212> DNA

<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(326)
<223> n is a, c, g, or t

<400> 23
aaaaacggtt accggatccg ggatcatatg acaagatgtg tatccacctt aacttaatga   60

tttttaccaa aatcattagg ggattcatca gagttaagtc ccataccaac catggacgca   120

atgcagaata ttatgcctgg gtacaaaatc atctcaaaga gcatcccgca gatcgcgttg   180

ttgggtttaa taagatgcct ggcctggatg tttattttgc cgctgatgtt tgttacgccg   240

agaaagttgc gcaagaaaaa ggttttttat atcgtttaac atcacgatat ccncnnnnnn   300

ngtactagtc gacgcggggc caannn   326

<210> 24
<211> 164
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (1)..(1)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

```
<220>
<221>  misc_feature
<222>  (143)..(143)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (145)..(145)
<223>  n is a, c, g, or t

<400>  24
naaaaacccg ccggacatcc cggatccggg atcatatgac aagatgtgta tccaccttaa      60

cttaatgatt tttaccaaaa tcattagggg attcatcagt gttcaacctg ctgcgtcgta     120

gcccggatat atccnncnnc ncngnactag tcgacgcgtg gcca                      164


<210>  25
<211>  296
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (6)..(6)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (92)..(92)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (134)..(135)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (139)..(139)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (149)..(149)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (152)..(152)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (155)..(155)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (157)..(157)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (163)..(163)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (170)..(171)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (226)..(226)
<223>  n is a, c, g, or t

<400>  25
aacggnccga tccgggatca tatgacaaga tgtgtatcca ccttaactta atgattttta     60

ccaaaatcat taggggattc atcagagatc ancctgaatt ccagtgatcc gcttcctact    120

gttacgccat tcanngccng caatgcggnt anctntnaca aanaaggttn ngtgactgtt    180

ttccacagtc atggtaatgc tcatgacatg agcgtctact ttgtgnaccc ggggataata    240

actggcaggt ctacacccag gatagcagtg atccaaacag cattgcgaag acagcg       296


<210>  26
<211>  317
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<400>  26
aaacggttac cggatccggg atcatatgac aagatgtgta tccaccttaa cttaatgatt     60

tttaccaaaa tcattagggg attcatcagt gcttacacct ggcagccgat ctatcaaaca    120

tgcgggcggt taatggccgt ggagctatta acggtggtca cgcatccctt gaacccttcg    180

caacgcctgc cgccggatcg ctattttact gaaatcaccg tcagccatcg gatggaggtt    240

gtgaaagagc agattgattt gctggcgcaa aaagccgact tctttataga gcacggcctg    300

ctggcatcgg tcaatat                                                   317


<210>  27
<211>  371
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert
```

```
<220>
<221>  misc_feature
<222>  (350)..(350)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (352)..(352)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (354)..(358)
<223>  n is a, c, g, or t

<400>  27
aaacggttac cggatccggg atcatatgac aagatgtgta tccaccttaa cttaatgatt      60

tttaccaaaa tcattagggg attcatcagc ttcaagcgcc agtttcaaca tgcggttgat     120

gacgcgctgt tcggtatggg taaactcgcg accttccact ttggtcggga agcgtccatc     180

gccgccaaac aggttatcca cggcgataaa caccagactc ggtgagaaca ccaccagccc     240

agtgccgcgc agcggtttca gatggataag gttcaggttg gtcggcaccg gcaggttgcg     300

ggcaaattca tggtacggct gaatgcggat ggccccgacg gttatatccn gncnnnnngt     360

actagtcgac g                                                          371


<210>  28
<211>  374
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<400>  28
aaacggttac cggatccggg atcatatgac aagatgtgta tccaccttaa cttaatgatt      60

tttaccaaaa tcattagggg attcatcagt atccagcccc aacgtatgga aagtggagat     120

catcagccca cgcgcctctt tgcgccccag cgtctgccct acacgctctt tcatctcgcg     180

cgctgcttta ttagtaaagg tcaccgccgc aatgtgccgc gcctgataac cgcaaccgcg     240

gatcagatgg gcgattttat tggtgataac acgagttttta ccggaacccg cgcccgccag     300

caccaggcag gggccggtaa cgaattcgac agcttgttgt tggccggggt ttagacgcat     360

aggtgtattg ctca                                                       374


<210>  29
<211>  311
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert
```

```
<220>
<221>  misc_feature
<222>  (4)..(4)
<223>  n is a, c, g, or t

<400>  29
cggnccggat ccgggatcat atgacaagat gtgtatccac cttaacttaa tgatttttac      60

caaaatcatt aggggattca tcagtggtac gcatctacat aaattttgtc gatcaccggt     120

gacataataa aaaaggtcaa aaacagtgcc agccccagca atacctggtt aggtggcgcg     180

cggagggtgt tcccagcgcg ttacgcaata aaccaaaaac aatgatgatg cgggtgaaac     240

tggtcatcat cagtaaaatt gccggaataa acgtcaacga ggtgatgaac accagcgtct     300

gcaccgggag c                                                         311


<210>  30
<211>  398
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (1)..(2)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (4)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (10)..(10)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (15)..(16)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (23)..(23)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (153)..(153)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (165)..(165)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (179)..(179)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (189)..(189)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (198)..(198)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (207)..(207)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (232)..(232)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (243)..(243)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (248)..(248)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (256)..(256)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (258)..(258)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (268)..(269)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (279)..(279)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (287)..(287)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>  (289)..(289)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (292)..(292)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (304)..(304)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (306)..(306)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (310)..(310)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (310)..(313)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (317)..(317)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (319)..(319)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (325)..(326)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (328)..(328)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (332)..(332)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (337)..(337)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (341)..(342)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (344)..(345)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (347)..(347)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (350)..(350)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (355)..(355)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (357)..(357)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (361)..(362)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (365)..(365)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (367)..(367)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (370)..(371)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (375)..(375)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (379)..(381)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (385)..(386)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (388)..(389)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<400> 30

```
nncnnaacan acggnnccgg ccnggatcat atgacaagat gtgtatccac cttaacttaa     60

tgatttttac caaaatcatt aggggattca tcagcggcga gctggcgcag aaaatcatcg    120

acgagatgtt cctgttcgag aatctggtgg atntcgccaa tcgcngtact agtcgacgng    180

tggccaaant ggattccnaa tcgctgntga tcgcgctgaa aggagccgag cngtcactgt    240

gcnagaantt cttgcncnat atgtcgcnnc gtgccgccna tatcccncnc cnaccgtacc    300

cctngnacgn nnnaccngna ccccnntncg gncaagnatg nnannanccn gatanancag    360

nncantnctn ngatncacnn natannanng ncgccnac                            398
```

<210> 31
<211> 312
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<400> 31

```
aaacggttac cggatccggg atcatatgac aagatgtgta tccaccttaa cttaatgatt     60

tttaccaaaa tcattagggg attcatcagg gtcaggcatg ctctcgcatt ctggaagcgt    120

taaaaaataa tcggatatca ctatgagttt tgcgaccatt tctgttatcg gactgggtta    180
```

```
tatcgggctg ccaacngcta cncgacncgc gccncggcaa aaacaggtaa ttggtgtcga      240

tatcaaccaa catgcggttg ataccatcaa tcgtggccaa atccatatcc cccccccccg      300

tactagtcga cg                                                         312
```

```
<210>  32
<211>  250
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
<222>  (4)..(4)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (217)..(219)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (245)..(245)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (247)..(250)
<223>  n is a, c, g, or t

<400>  32
cggnccggat ccgggatcat atgacaagat gtgtatccac cttaacttaa tgatttttac       60

caaaatcatt aggggattca tcagtgccgc gcacggcaaa tccgaatgca aaaatcgcac      120

taatctcaaa agtatacccg atgcgtagcc ataccgttgc tgcagaaggg ggctccgccg      180

ctgtcgcgca ggatcatgac agcttcgaat atccccnnnc ccccgtacta gtcgacgccg      240

tgaanannnn                                                            250
```

```
<210>  33
<211>  316
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
<222>  (178)..(178)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (185)..(185)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (188)..(188)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (195)..(195)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (210)..(210)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (213)..(213)
<223>  n is a, c, g, or t

<400>  33
aacgtaccgg atccgggatc atatgacaag atgtgtatcc accttaactt aatgattttt        60

accaaaatca ttaggggatt catcagggcg cagccgctgc gtgagtttat gctgcgtcag       120

acccgtgagg cagatttagg gttgtttgcc agactggcga atatcggccc gttgcgtnct       180

actcnacncg tgccnatgcg cattttgctn ccngcctacg tgaccagcga gttgaaaacc       240

gcatttcaga tacggcttca cagattttca tccctttttt gattatcgac ctggtgatag       300

ccagcgtgtt gatggc                                                       316


<210>  34
<211>  276
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
<222>  (10)..(11)
<223>  n is a, c, g, or t

<400>  34
atgaaaacgn nccggatccg ggatcatatg acaagatgtg tatccacctt aacttaatga        60

tttttaccaa aatcattagg ggattcatca gtactcaact tccagcggat taatcgcctt       120

ccaggcgtcg ctatagcctt caagcgccag tttcaacatg cggttgatga cgcgctgttc       180

ggtatgggta aactcgcgac cttccacttt ggtcgggaag cgtccatcgc cgccaaacag       240

gttatccacg gcgataaaca ccagactcgg tgagaa                                 276
```

```
<210>  35
<211>  332
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<400>  35
cgtaccggat ccgggatcat atgacaagat gtgtatccac cttaacttaa tgatttttac      60

caaaatcatt aggggattca tcagggcgca gcccgctgcg tgagtttatg ctgcgtcaga     120

cccgtgaggc agatttaggg ttgtttgcca gactggcgaa taccggcccg ttgcagggac     180

ctgaagccgt gccgatgcgc attttgctcc cggcctacgt gaccagcgag ttgaaaaccg     240

catttcagat aggcttcacg attttcatcc ctttttttgat tatcgacctg gtgatagcca     300

gcgtgttgat ggcattgggg atgatgatgg tt                                    332


<210>  36
<211>  215
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (1)..(1)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (3)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (11)..(11)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (186)..(194)
<223>  n is a, c, g, or t

<400>  36
ngnnnatacg nccggatccg ggatcatatg acaagatgtg tatccacctt aacttaatga      60

tttttaccaa aatcattagg ggattcatca gtattaagcg tgaatgatgc cagagcgcaa     120

agcgttcaat ggtttgagta aggggcaaaa caggcgggat ttagggcttt tgctgccaca     180

tatccnnnnn nnnngtacta gtcgacgcgt ggcca                                215
```

```
<210>  37
<211>  394
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (7)..(7)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (114)..(114)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (118)..(118)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (135)..(135)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (149)..(150)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (161)..(161)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (172)..(172)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (194)..(194)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (201)..(202)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (215)..(215)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (229)..(229)
<223>  n is a, c, g or t
```

```
<220>
<221>  misc_feature
<222>  (232)..(232)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (246)..(246)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (249)..(249)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (257)..(257)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (275)..(275)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (277)..(277)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (280)..(280)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (285)..(285)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (290)..(290)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (292)..(294)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (298)..(298)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
<222>  (300)..(304)
<223>  n is a, c, g or t

<220>
<221>  misc_feature
```

```
<222>   (310)..(310)
<223>   n is a, c, g or t

<220>
<221>   misc_feature
<222>   (314)..(314)
<223>   n is a, c, g or t

<220>
<221>   misc_feature
<222>   (319)..(321)
<223>   n is a, c, g or t

<220>
<221>   misc_feature
<222>   (323)..(323)
<223>   n is a, c, g or t

<220>
<221>   misc_feature
<222>   (327)..(327)
<223>   n is a, c, g or t

<220>
<221>   misc_feature
<222>   (330)..(330)
<223>   n is a, c, g or t

<220>
<221>   misc_feature
<222>   (332)..(332)
<223>   n is a, c, g or t

<220>
<221>   misc_feature
<222>   (334)..(336)
<223>   n is a, c, g or t

<220>
<221>   misc_feature
<222>   (346)..(346)
<223>   n is a, c, g or t

<220>
<221>   misc_feature
<222>   (349)..(350)
<223>   n is a, c, g or t

<220>
<221>   misc_feature
<222>   (354)..(354)
<223>   n is a, c, g or t

<220>
<221>   misc_feature
<222>   (358)..(358)
<223>   n is a, c, g or t

<220>
<221>   misc_feature
<222>   (364)..(364)
<223>   n is a, c, g or t
```

```
<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g or t

<220>
<221> misc_feature
<222> (372)..(374)
<223> n is a, c, g or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g or t

<220>
<221> misc_feature
<222> (383)..(384)
<223> n is a, c, g or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g or t

<220>
<221> misc_feature
<222> (390)..(392)
<223> n is a, c, g or t

<400> 37
aaacggnccg gatccgggat catatgacaa gatgtgtatc caccttaact taatgatttt      60

taccaaaatc attaggggat tcatcagtat gtgtaccgtg tattggcgct aagngtgnga     120

agcttttttt ccaantacca tgcttgccnn atgaccataa ngttgcgata tnttcattcc     180

gtgcatgcaa acancgtacc nncagcgcca ccatncaact gatgcgtcng antaatgacc     240

aggttntant tattctntcg cccgagcctc atcancnaan gctcnctttn tnnncggnan     300

nnnnattttn cccngtctnn ntnttgnttn antnnnttac gcggcacnn attngttntg      360

gtcntacgng cnnnataacn gcnnctcncn nncc                                 394


<210> 38
<211> 450
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<400> 38
cgncggatcc gggatcatat gacaagatgt gtatccacct taacttaatg attttttacca   60

aaatcattag gggattcatc agcgtttcgc ccctattaca gactcacaac cacatgatga   120

ccgaatatat agtggagacg tttagatggg taaaataatt ggtatcgacc tgggtactac   180

caactcttgt gtagcgatta tggatggcac cactcctcgc gtgctggaga acgccgaagg   240

cgatcgcacc acgccttcta tcattgccta tacccaggat ggtgaaactc tagttggtca   300

gccggctaaa cgtcaggcag tgacgaaccc gcaaaacact ctgtttgcga ttaaacgcct   360

gattggtcgc cgcttccagg acgaagaagt acagcgtgat gtttccatca tgccgttcaa   420

aattattgct gctgatatcc cnccccccng   450

<210> 39
<211> 300
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<400> 39
taccggatcc gggatatatg acaagatgtg tatccacctt aacttaatga ttttttaccaa   60

aatcattagg ggattcatca gcttcaagcg ccagtttcaa catgcggttg atgacgcgct   120

gttcggtatg ggtaaactcg cgaccttcca ctttggtcgg gaagcgtcca tcgccgccaa   180

acaggttatc cacggcgata aacaccagac tcggtgagaa caccaccagc ccagtgccgc   240

gcagcggttt cagatggata aggttcaggt tggtcggcac cggcaggttg cgggcaaatt   300

<210> 40
<211> 300
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (1)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (6)..(6)
<223> n is a, c, g, or t

<400> 40
nncgtncggg atattgacaa gatgtgtatc caccttaact taatgatttt taccaaaatc   60

attaggggat tcatcagcgc ttgaaggcta tagcgacgcc tggaaggcga ttaatccgct   120

ggaagttgag tacgtgcgtt cggaaatgca ggtgaaattt accaatatca ccacctcgcc   180

gaacgacatt gtggttaaca cgccgttcca tgtggagatt ggcaacctga ccggcgaatt   240

taatatctgc ctgccattca gcatgatcga ccgctacgg gaattgttgg ttaacccgcc   300

<210> 41
<211> 250
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<400> 41
anccgatccg ggatatatga caagatgtgt atccacctta acttaatgat ttttaccaaa   60

atcattaggg gattcatcag cgcttgaagg ctatagcgac gcctggaagg cgattaatcc   120

gctggaagtt gagtacgtgc gttcggaaat gcaggtgaaa tttaccaata tcaccacctc   180

gccgaacgac attgtggtta acacgccgtt ccatgtggag attggcaacc tgaccggcga   240

atttaatatc   250

<210> 42
<211> 260
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<220>
<221> misc_feature   .
<222> (229)..(237)
<223> n is a, c, g, or t

<400> 42
cgnccggatc cgggatcata tgacaagatg tgtatcccct taacttaatg attttttacca   60

aaatcattag gggattcatc agcaccctgc attcgcagga gcggagaaac atccgccgga   120

gcggcaatca ccactgagcg tgcacgccct tcggcaccga ggatgttctc aataaaatct   180

tttacttcgc gcccacgttc accaatcaaa cccacgacaa tgatatccnn nnnnnnngta   240

ctagtcgacg cgtggccaat   260

<210> 43
<211> 378
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(357)
<223> n is a, c, g, or t

<400> 43
tangaaaaac gtaccggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat   60

gatttttacc aaaatcatta ggggattcat cagcgctcca gcccctggag agacgcttnc   120

cagtccgcgc gttcaaaaat gccttgttgc aaatagccct ccagctgcgg ccacagggcg   180

atggctttat cgagcatcgg atcgctgcct ttggcatacg cgccgacgct aaccagatcg   240

cggttacgct gaaaactcga caacagctgt ttgaaggtgc gcactcgcgc gtaatgttgc   300

tcactgatca acgccgtcat tgcgcggctg atcgacgctt caatatccnn nnncnnngta   360

ctagtcgacg cgtggcca   378

<210> 44
<211> 207
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature

```
<222>  (4)..(4)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (13)..(13)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (181)..(181)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (183)..(183)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (185)..(191)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (197)..(199)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (202)..(202)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (206)..(206)
<223>  n is a, c, g, or t

<400>  44
agcncgccgg acntcccgga tccgggatca tatgacaaga tgtgtatcca ccttaactta      60

atgattttta ccaaaatcat taggggattc atcagagtcg ctagtggaaa agccatttcg     120

aaaaatcctg gtcataaaga tgcgatatcc ccccaccgcg tactagtcga cgcgtggcca     180

nanannnnnn ncggcannnc cncccnt                                          207


<210>  45
<211>  351
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
<222>  (179)..(179)
<223>  n is a, c, g, or t

<220>
```

```
<221>  misc_feature
<222>  (181)..(181)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (196)..(196)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (246)..(246)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (248)..(248)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (256)..(256)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (261)..(261)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (276)..(277)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (279)..(279)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (293)..(293)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (300)..(300)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (302)..(302)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (324)..(324)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (331)..(331)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (339)..(339)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (350)..(350)
<223>  n is a, c, g, or t

<400>  45
atacccgatc cgggatcata tgacaagatg tgtatccacc ttaacttaat gatttttacc        60

aaaatcatta ggggattcat cagcgcattg catcaacagt tgccgcacgg ggccaccatg       120

ttcgggtata tacacagtcg tgggaaggcg attgcccgaa agcatttgag cttattcang       180

ngccagttaa gtcccntacc aaccatggac gcaatgcaga atattatgcc tgggtacaaa       240

atcatntnaa acagcntccc ncaggatctg tgtcgnngng ttcaattatt atnccctcgn       300

cnggattatc ttatttgcct gctnaatgtc ngtcttctna ttcctaaatn t               351


<210>  46
<211>  276
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (1)..(1)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (10)..(10)
<223>  n is a, c, g, or t

<400>  46
ngaaaacggn ccggatccgg gatcatatga caagatgtgt atccacctta acttaatgat        60

ttttaccaaa atcattaggg gattcatcag cgcttgaagg ctatagcgac gcctggaagg       120

cgattaatcc gctggaagtt gagtacgtgc gttcggaaat gcaggtgaaa tttaccaata       180

tcaccacctc gccgaacgac attgtggtta acacgccgtt ccatgtggag attggcaacc       240

tgaccggcga atttaatatc tgcctgccat tcagca                               276


<210>  47
<211>  300
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert
```

<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<400> 47
cncgatccgg gatcattgac aagatgtgta tccaccttaa cttaatgatt tttaccaaaa   60

tcattagggg attcatcaga ttcaggtgcg taataagctg gtggcggcgt atcaggaagt   120

gatgagcatg caggtgtagg ttttgtaacc tgttgttaat tacatccgat ctcaccgcgt   180

ggggcatgga tggggcaaac tcactcaatt tctggtttaa aatggatacc tgatcctgaa   240

cgttttctgc catccacgat ccgtatacgc gataacccccc ctgaacatca gagcgtctca   300

<210> 48
<211> 337
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (1)..(1)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (8)..(8)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(307)
<223> n is a, c, g, or t

<400> 48
naaaacgncc ggatccggga tcatatgaca agatgtgtat ccaccttaac ttaatgattt   60

ttaccaaaat cattagggga ttcatcaggg gttaatacca gtttttcgcg ctccggcaac   120

gtttcgatgg cttccatcac ccgctggcgc agattactgt ccagtagttg ttgtagcggg   180

ttttctcgct gatgatcatc agtaaccagt tcgatgctat cgccgtgctc ttcgcgccac   240

tcatcgtagg agaagagctg gctgttattg gtgtcgagca acatttggcg ataatcggca   300

atatcnnccc cccccgtact agtcgacgcg tggccaa   337

<210> 49
<211> 351
<212> DNA
<213> Artificial

<220>

<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

```
<220>
<221>  misc_feature
<222>  (350)..(350)
<223>  n is a, c, g, or t
```

```
<400>  49                                    .
atacncgacc gggatcatat gacaagatgt gtatccacct taacttaatg attttttacca    60

aaatcattag gggattcatc agagtttagc tgctgccaac gcagcctgac aaagtgcggg    120

atcgccacct tcaggtttga tatccagtaa cataccatcg ggtgccagtt ttatgcgcag    180

cgtacaggtt ttgcctgcat aggacgatgc gtcatagaac ttactttcga tagcagattt    240

aatctgcccg gcatagttat tgatatccnc cccccnngta ctagtcgacg cgtggccann    300

tattcngata tcncnccngc cngtctantc ccncgtggnc atatctgatn c            351
```

```
<210>  50
<211>  172
<212>  DNA
<213>  Artificial
```

```
<220>
<223>  partial gene with transposon insert
```

```
<220>
<221>  misc_feature
<222>  (2)..(3)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (8)..(8)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (12)..(12)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (112)..(112)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (128)..(128)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (137)..(137)
<223>  n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(158)
<223> n is a, c, g, or t

<400> 50
anngnaanag cncgccggac atcccggatc cgggatcata tgcacaagat gtgtatccac   60

cttaacttaa tgatttttac caaaatcatt aggggattca tcagagtctt gntccacttt   120

gccaatancg ccggccntag cnctagncgn cgcacgnnca gacgcgtggc ca   172

<210> 51
<211> 270
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<400> 51
cgntaccgga ccgggatcat atgacaagat gtgtatccac cttaacttaa tgatttttac   60

caaaatcatt aggggattca tcagtgctcg gctcctttca gcgcgatcaa cagcgattcg   120

gaatccactt cctgcaacag acgctgaatg ctgcgatcgt cgacatccac cagattctcg   180

aacaggaaca tctcgtcgat gattttctgc gccagctcgc cgtcgaattc acgcacggcg   240

gtaataacgg cttcttcctg ctgagttttc   270

<210> 52
<211> 390
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

```
<220>
<221>  misc_feature
<222>  (152)..(152)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (155)..(157)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (169)..(169)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (365)..(370)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (372)..(372)
<223>  n is a, c, g, or t

<400>  52
ggaaaaaacg tccggatccg ggatcatatg acaagatgtg tatccccttta acttaatgat      60

ttttaccaaa atcattaggg gattcatcag ggttgggtac cctttgtgtt gggcaaaacc     120

atattgcggg aaaacaatat ccagcgccgc cnttnnngcg tcacgcgtna ctttcgccag     180

gatagacgcg gcactgattt ccggtacgcg gctatcgcct ttcaccacag ccatcgcagg     240

catcggtaat ttcgggcagc ggttaccatc aatcaacaca tattccggcg caatatgcag     300

cccagcgacg gcacgctgca tcgccagcat ggtcgcatga agaatgttca gctcgtcgat     360

atccnnnnnn cncgtactag tcgacgcgtg                                       390
```

```
<210>  53
<211>  226
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
<222>  (3)..(3)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (148)..(148)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (151)..(151)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (191)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (220)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(226)
<223> n is a, c, g, or t

<400> 53
tangaaaaaa acgttccgga tccgggatca tatgacaaga tgtgtatcca ccttaactta   60

atgatttttta ccaaaatcat tagggggattc atcagggttg ggtacccttt gtgttgggca   120

aaaccatatt gcgggaaaac aatatccncc ncccnngtac tagtcgacgc gtggccaaat   180

atnnnnatat nnnnnnnnnn nnnnctannn nncncgnggn nannnnn   226

<210> 54
<211> 226
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature

```
<222>  (1)..(3)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (20)..(20)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (158)..(158)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (160)..(162)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (165)..(166)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (191)..(193)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (195)..(201)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (203)..(205)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (207)..(207)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (210)..(210)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (213)..(213)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (216)..(216)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (220)..(221)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (225)..(225)
<223>  n is a, c, g, or t

<400> 54
nnngnaaagc ccgccggacn tcccggatcc gggatcatat gacaagatgt gtatccacct    60

taacttaatg attttacca aaatcattag gggattcatc agagtcgcta gtggaaaagc   120

catttcgaaa aatcctggtc ataaagatgc gatatccngn nnccnngtac tagtcgacgc   180

gtggccaaaa nnncnnnnnn nannncnatn ctngcncccn nccanc              226


<210>  55
<211>  425
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (397)..(397)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (401)..(401)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (404)..(404)
<223>  n is a, c, g, or t

<400> 55
cgaccggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat gattttacc    60

aaaatcatta ggggattcat cagcactgaa tctggcatta ggtttactta atcgtatggc   120

cccgcaatta tccatttttg ttattggatt tccattaact ctgactgtcg gcatctcttt   180

aatggcggca ttaatgccgt taattgcacc tttttgcgaa catttattca gtgaaatttt   240

taatttgctg gctgatatta ttagtgaatt gccattaata taattccgta acgtttatca   300

tgttatccta aggattatcc gaaaaataat acctacgaac atcttccagg atactcctgc   360

agcgaaatat ttgtttttaag ctcactcaca tatcccnccc nccngtacta gtcgacgcgt   420

ggcca                                                        425


<210>  56
```

<211> 176
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(176)
<223> n is a, c, g, or t

<400> 56

aacnaaacgg ntncggcatc gggatcatat gacaagatgt gtatccacct taacttaatg   60

atttttacca aaatcattag gggattcatc agcgctgcgc atacttatgc catatccnnc   120

nngnnggtac tagtcgacgc gtggccanat tnnnnnatcn ncnnnnnngg ggcnnn   176

<210> 57
<211> 355
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (328)..(328)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (330)..(332)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (339)..(339)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (341)..(342)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (349)..(349)
<223>  n is a, c, g, or t

<400>  57
aaacgaccgg accgggatca tatgacaaga tgtgtatcca ccttaactta atgattttta      60

ccaaaatcat taggggattc atcaggggggc aagttgcttt tgggcgtctc gtagcctttc     120

ccggctaaag attgagcttg ctttgcgaca tcatcaatac tgaaagccca gcttgaagat     180

gtatacaggg ttaacattac tgcagcactc aaccaacgca ttttcattat ttgtagctta     240

tgtttcataa ttagtaaggc acttcccccct ttngtgtgct tatatccctn ngntnncntn    300

ctagtcnacn cgtggccact nctatccngn nntccccgnt nngcagtant cagac          355


<210>  58
<211>  380
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<400>  58
gatcatatga caagatgtgt atccacctta acttaatgat ttttaccaaa atcattaggg      60

gattcatcag ggctgcgccc cttttttccag cgcctcctgc attgatattt tctcttcgct    120

gaatggctgg tacgcatcta cataaatttt gtcgatcacc ggtgacataa taaaaaaggt     180

caaaaacagt gccagcccca gcaatacctg gttaggtggc gcggagggtg ttcccagcgc     240

gttacgcaat aaaccaaaaa caatgatgat gcgggtgaaa ctggtcatca tcagtaaaat     300

tgccggaata aacgtcaacg aggtgatgaa caccagcgtc tgcaccggga gcgaccagct     360

ttgtccaccg ccaggcagcg                                                 380


<210>  59
```

```
<211> 449
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert


<220>
<221> misc_feature
<222> (1)..(1)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<400> 59
natacgnccg gatccgggat catatgacaa gatgtgtatc cccttaactt aatgattttt      60

accaaaatca ttaggggatt catcagggtg caacctgtat cacacccgat gaaagattaa     120

ttagtcaaga ttatgatatc tttttaacgg ataatccgtc taatcttact gcctctggct     180

tgcttttaag cgatgatgag tctggcgtac gggaaattgg gcctggtcaa ttgtgcgtca     240

acttcaatat gagcaacgct atgcaggaag cggtcttaca attaattgaa gtgcaactgg     300

cgcaggaaga ggtgacagaa tcgcctctgg gcggagatga aaatgcgcaa ctccatgcca     360

gcggctatta tgcgctcttt gtagacacag taccggatga tgttaagagg ctgtatactg     420

aagcagcaac cagtgacttt gctgcgtta                                      449


<210> 60
<211> 450
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert


<220>
<221> misc_feature
<222> (2)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
```

```
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (96)..(96)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (98)..(98)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (110)..(110)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (125)..(125)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (132)..(132)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (141)..(141)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (157)..(157)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (159)..(159)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (173)..(173)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (182)..(182)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (194)..(194)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (212)..(212)
<223>  n is a, c, g, or t

<220>
```

<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```
<222>  (313)..(313)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (321)..(321)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (323)..(326)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (332)..(332)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (334)..(336)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (338)..(339)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (341)..(347)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (349)..(349)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (352)..(353)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (357)..(358)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (364)..(364)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (366)..(366)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (369)..(370)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (372)..(373)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (375)..(377)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (379)..(379)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (382)..(382)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (384)..(384)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (386)..(386)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (390)..(390)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (394)..(394)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (399)..(399)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (405)..(405)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (410)..(411)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (413)..(413)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (418)..(418)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(440)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(450)
<223> n is a, c, g, or t

<400> 60
annnncgatc cgggatcata tgacaagatg tgtatccacc ttaacttaat gatttttacc   60

anaatcatta ggggattnat cagctnaatg catgcncnac cattgcctcn gctgtttgca   120

accgngtaag gngcattcat ntgcatatgt tgctgcnanc aatctggctg agnagacaag   180

cncactccca tganacgcat cgcgcattat tntacgtgaa ancggatnna anggntggnt   240

aaaccnanga nccnncgccg antatnnttc cnctgncann ctnanntngn ctngnacnga   300

nnncnanncn acncctcttt ntnnnnttcc gntnnngnng nnnnnnntng tnntccnncc   360

tgtntncann tnncnnngnt cntncncccn tctntccant gccanttgtn ncnaggtncg   420

atntctgcng accnacnnnn tagnanccnn   450

<210> 61
<211> 212
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

```
<220>
<221>  misc_feature
<222>  (2)..(2)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (6)..(6)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (206)..(212)
<223>  n is a, c, g, or t

<400>  61
gnaaancccg ccggacatcc cggatccggg atcatatgac aagatgtgta tccaccttaa      60

cttaatggat ttttaccaaa atcattaggg gattcatcag gcggtagcgt gcttttttct     120

gcttaactta accagacaat cacacaaaag agtcgctagt ggaaaagcca tttcgaaaaa     180

tcctggtcat aaagatgcga tatccnnnnn nn                                   212


<210>  62
<211>  333
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (7)..(7)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (19)..(19)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (24)..(24)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (32)..(32)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (38)..(38)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (55)..(55)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(205)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (208)..(208)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (214)..(214)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (225)..(225)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (227)..(227)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (233)..(234)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (239)..(239)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (252)..(252)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (257)..(257)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (260)..(261)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (265)..(265)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (269)..(270)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (275)..(275)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (277)..(279)
<223>  n is a, c, g, or t
```

<220>
<221>   misc_feature
<222>   (281)..(281)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (286)..(286)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (288)..(288)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (290)..(290)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (293)..(293)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (295)..(295)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (298)..(298)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (300)..(300)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (305)..(305)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (318)..(319)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (321)..(321)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (324)..(324)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature

```
<222>  (326)..(326)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (329)..(329)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (331)..(332)
<223>  n is a, c, g, or t

<400>  62
aacgctnccg atccggatna tatnaacaga tntgtatnca ccttatctta atganatttt      60

accanaatca tattggggat atcatatang ggctgccccc tttttccagc ccctactgca     120

ttgatatttt ntcttcgntg natggctggt acgcatctac ataantnttg acgatcaccg     180

gtgacntaat aaaanaggnc nnanncantg ccantcccag caatncntgg ttnngtggng     240

cggacggtgc tnccatngcn ngacncacnn aaccnannnc natgangntn ccncnganan     300

tgganatcat cctgcaannc nacngnatnc nna                                  333


<210>  63
<211>  284
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
<222>  (3)..(3)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (88)..(88)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (90)..(90)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (90)..(90)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (108)..(108)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>  (118)..(118)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (179)..(180)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (182)..(182)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (184)..(184)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (187)..(188)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (215)..(219)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (222)..(222)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (227)..(228)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (230)..(230)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (236)..(237)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (239)..(240)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (242)..(243)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (245)..(245)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (253)..(253)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (256)..(256)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (258)..(260)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (265)..(267)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (269)..(272)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (274)..(274)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (277)..(277)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (284)..(284)
<223>  n is a, c, g, or t

<400>  63
cgnccggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat gatttttacc      60

aaaatcatta ggggattcat cagcgatnan ctgcaataag cagaaccncc tttttggntt     120

aatatgtcct tacaaataga aatgggtctt tacacttatc taagattttt cctatatcnn     180

cncnccnngt actagtcgac gcgtggccat ttatnnnnna tntcctnntn gtctcnngnn     240

cnncncgcgg ccncancnnn atatnnntnn nncnctncac tctn                      284


<210>  64
<211>  420
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
```

```
<222>  (381)..(382)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (384)..(387)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (412)..(412)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (414)..(415)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (418)..(418)
<223>  n is a, c, g, or t

<400>  64
aacccgatcc gggatcatat gacaagatgt gtatccacct taacttaatg attttttacca      60

aaatcattag gggattcatc agggctgggt tggcaatggt gtctacgttt ctggtgtgca     120

gcgtgagtat gatgcgttta ttaccaacca gttacgtgcg gcgcagacgc aaagtagcgg     180

tctgactgcc cgctatgagc agatgtcgaa aatcgacaat atgctctcca ccagtacctc     240

ttcgctggca acacagatgc aggatttctt caccagcctg caaacgctgg tgagtaacgc     300

ggaagacccg gcagcgcgcc aggcgctgat tgggaaatca gaaggattgg tgaatcagtt     360

taaaaccacc gatcaatatc nncnnnnccc gtactagtcg acgcgtggcc anannatnct     420


<210>  65
<211>  283
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (6)..(6)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (14)..(14)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (160)..(160)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (170)..(170)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (233)..(233)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (235)..(236)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (239)..(239)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (241)..(241)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (267)..(268)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (270)..(270)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (272)..(272)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (274)..(274)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (283)..(283)
<223>  n is a, c, g, or t

<400>  65
ataccngatc cggntcatat gacaagatgt gtatcccctt aacttaatga tttttaccaa      60

aatcattagg ggattcatca ggcttacgcc tgcttttgcg ttgttgatgg catcacggat     120

cccgcttaac gatgagttag ccgcgctgat atcaatggtn atcgtactan tcgacgcgtg     180

gccatgaatg gtgagtttac tgtcgctggt ggcgatcgcc gttttcatat cgncnnttnc     240

ngtactagtc gacgcgtggc caaattnntn tnanaaaaat tcn                       283

<210>  66
```

<211> 334
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<400> 66
aacggttacc ggatccggga tcatatgaca agatgtgtat ccaccttaac ttaatgattt   60

ttaccaaaat cattagggga ttcatcagcg cgcgatatcg attttgccag tgaacttaaa   120

aaagtcatgc aacgtggacg ggatgcaacc agtgtggttg cactgacgat gacctcaacg   180

caacacattc cggcgcaggc gctgacgcct cctaccgcag aactgcaata ccgtattccg   240

gaccagcctt cgcttgacgg taataccgtc gatatggatc gcgaacgcac ccagtttgcc   300

gataacagcc tgcaatacca gatgagcctt agcg   334

<210> 67
<211> 272
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<400> 67
cgntaccgga tccgggatca tatgacaaga tgtgtatcca ccttaactta atgattttta   60

ccaaaatcat taggggattc atcagcacga cgcgttgctg cgctttgtcg tcagcggcaa   120

cctgatgcga atgccagtag ctgtaacctg cgctggcaca ggccgcgagg gtaatgaata   180

ccagaatcgg gatccaaagc gatcgcttgc ttttcttgct tatcgcgtaa tcagtcatgt   240

gttgcggtct tcctgtgtcg ctactgctta tc   272

<210> 68
<211> 394
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```
<222>  (253)..(253)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (272)..(272)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (286)..(286)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (288)..(288)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (302)..(302)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (316)..(316)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (318)..(319)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (331)..(331)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (334)..(334)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (342)..(342)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (352)..(352)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (357)..(357)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (359)..(359)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (364)..(365)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (368)..(368)
<223>  n is a, c, g, or t .

<220>
<221>  misc_feature
<222>  (374)..(375)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (377)..(378)
<223>. n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (382)..(382)
<223>  n is a, c, g, or t

<400>  68
aaacgaccgg atccgggatc atatgacaag atgtgtatcc accttaactt aatgattttt       60

accaaaatca ttaggggatt catcagcgct aagtgtgtga agcttttttt ccaaatacca      120

tgctgccgat gaccataaag ttgcgatatt ttcatccgtg caggtaaaca acgtaccagc      180

agcgccacca tccactgatc cgtaagatta atgaccaggt cataattatt cgcacgcaga      240

gntttttatca acnaaagcac atttttaatt tnatcgaaag ttcccncncc tttattgctt      300

ancccataga gcgcantnnt ttccgggttt ncanacaaaa tntggatggt gncctgncna      360

agcnncangt ctanntnngc tntatgagaa tctg                                  394


<210>  69
<211>  392
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (152)..(152)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (157)..(157)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (159)..(159)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(288)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (294)..(294)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (302)..(302)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (307)..(308)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (321)..(321)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (324)..(324)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (326)..(326)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (334)..(335)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (340)..(340)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (344)..(344)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (346)..(347)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (351)..(353)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (358)..(358)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (360)..(360)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (364)..(364)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (371)..(371)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (375)..(376)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (378)..(379)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (387)..(387)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (392)..(392)
<223>  n is a, c, g, or t

<400>  69
aaacgaccgg atccgggatc atatgacaag atgtgtatcc accttaactt aatgattttt     60

accaaaatca ttaggggatt catcagagtt ttacccgttt cggtacgctg cgttcgctca    120

gaatcggcgc ggtggagatc atcgccagct cncgcantna cggncagaan tacaggttta    180

accaggatag ccattgttng cttgccacct gcancatagt acggttaccc natgatttac    240

tngnaggtta gtgaacaang tgcggncagt nattcancaa cacattnngc atgntctgtc    300

tnggcannta ttttggtgat naananggcc gatnntttn cgantnnccg nnntgggntn    360

cttnttcatc nagtnncnna tgggcgngta tn                                  392
```

```
<210>  70
<211>  482
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<400>  70
tacgnccgat ccgggatcat atgacaagat gtgtatccac cttaacttaa tgatttttac     60
```

```
caaaatcatt aggggattca tcagggctgc gccccttttt ccagcgcctc ctgcattgat      120

attttctctt cgctgaatgg ctggtacgca tctacataaa ttttgtcgat caccggtgac      180

ataataaaaa aggtcaaaaa cagtgccagc cccagcaata cctggttagg tggcgcggag      240

ggtgttccca gcgcgttacg caataaacca aaaacaatga tgatgcgggt gaaactggtc      300

atcatcagta aaattgccgg aataaacgtc aacgaggtga tgaacaccag cgtctgcacc      360

gggagcgacc agctttgtcc accgccaggc agcggctggc tggtgatacc cggcagttgc      420

gcgaaggcga ggggcgtaat cagccagaga aggacaggtg cgacagacaa taaacgacgc      480

at                                                                      482
```

```
<210>  71
<211>  225
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (2)..(2)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (4)..(4)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (13)..(13)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (134)..(134)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (195)..(196)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (198)..(201)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (203)..(204)
<223>  n is a, c, g, or t

<400>  71
```

gngnaaaaac gtnccggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat   60

gatttttacc aaaatcatta ggggattcat caggatggtg tcctgataaa gcagcatatc   120

gatttttgca tcangataat tctgcttgag cgtactgatg acaggagtag ttaataacat   180

atccccatga tatcnncnnn ncnngtacta gtcgacgcgt ggcca   225


```
<210>  72
<211>  350
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (3)..(3)
<223>  n is a, c, g, or t

<400>  72
```
cgnccggatc cgggatcata tgacaagatg tgtatcccct taacttaatg attttttacca   60

aaatcattag gggattcatc agcctggtgc ctggaatgcc gaacctggta tttttgctgt   120

tcactgccgg attgctcggg ctggcctggt ggatacgcgg acgcgaacaa aaagcgcctg   180

ccgaacccaa accggtaaaa atggcagaga ataataccgt tgtcgaagcg acgtggaacg   240

atgtacaact ggaagattct ctgggaatgg aagtgggtta tggactgatc ccgatggtcg   300

atttccagca ggatggtgag ttgttgggcc gtatacgcag tatccgcaag   350


```
<210>  73
<211>  380
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (380)..(380)
<223>  n is a, c, g, or t

<400>  73
```
acgtnccgga tccgggatca tatgacaaga tgtgtatcca ccttaactta atgattttta   60

ccaaaatcat tagggggattc atcagcctgg tgcctggaat gcccgaacct ggtattttg   120

ctgttcactg ccggattgct cgggctggcc tggtggatac gcggacgcga acaaaaagcg   180

```
cctgccgaac ccaaaccggt aaaaatggca gagaataata ccgttgtcga agcgacgtgg      240

aacgatgtac aactggaaga ttctctggga atggaagtgg gttatcgact gatcccgatg      300

gtcgatttcc agcaggatgg tgagttgttg ggccgtatac gcagtatccg caagaaattt      360

gcccaggaga tgggatatcn                                                    380
```

```
<210>  74
<211>  287
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (1)..(1)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (3)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (165)..(165)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (168)..(168)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (171)..(171)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (196)..(203)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (205)..(206)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (208)..(209)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (215)..(216)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (222)..(223)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (225)..(225)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (229)..(229)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (231)..(231)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (234)..(234)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (236)..(236)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (238)..(238)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (244)..(244)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (248)..(249)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (251)..(251)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (253)..(253)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (255)..(256)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (258)..(258)
```

```
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (261)..(261)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (263)..(263)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (268)..(268)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (270)..(270)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (275)..(276)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (280)..(280)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (285)..(286)
<223>  n is a, c, g, or t

<400>  74
ntnnnaaaac acgccggaca tccggatccg ggatcatatg acaagatgtg tatccacctt      60

aacttaatga tttttaccaa aatcattagg ggattcatca gcgctttgcc cgccattttc     120

gtatggggct gttcaacctg ctgcgtcgta gcccggatat atccnccngg ngcgtactag     180

tcgacgcgtg gccaannnnn nnncnncnnc tagcnntaaa anngncatna nccncncnca     240

caancacnna ngnanncntt ncnaaacnan cgtannatan ccccnnc                   287


<210>  75
<211>  152
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (1)..(2)
<223>  n is a, c, g, or t
```

```
<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<400> 75
nnaaagcccg ccggacatcc cggatcggga tcatatgaca agatgtgtat ccaccttaac       60

ttaatgattt ttaccaaaat cattagggga ttcatcagcg caaagcctgc tttganatcc      120

gtaaagngcg gactaancna cncgnggncn aa                                     152


<210> 76
<211> 450
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert


<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<220>
```

```
<221>  misc_feature
<222>  (13)..(13)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (202)..(202)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (204)..(205)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (207)..(210)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (234)..(234)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (236)..(236)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (238)..(238)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (244)..(244)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (246)..(246)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (251)..(252)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (255)..(256)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (258)..(258)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (277)..(277)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (281)..(282)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (284)..(284)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (290)..(290)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (292)..(294)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (301)..(301)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (306)..(308)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (313)..(313)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (316)..(316)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (318)..(318)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (325)..(325)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (327)..(328)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (332)..(333)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

<222> (341)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

```
<220>
<221>  misc_feature
<222>  (396)..(396)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (399)..(399)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (401)..(402)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (408)..(409)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (411)..(411)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (413)..(413)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (417)..(418)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (421)..(421)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (423)..(424)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (426)..(426)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (429)..(429)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (431)..(431)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (437)..(437)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<400> 76
gngaaaaaaa cgnaccggat ccgggatcat atgacaagat gtgtatcccc ttaacttaat   60

gatttttacc aaaatcatta ggggattcat cagggttaaa tccattaact cgcgcatcat   120

ttattattac cgaagatctc actcccacaa ttagccttga agattattgt gccgattggg   180

cagtcaaccc gcctgatatc cngnncnnnn gtactagtcg acgcgtggcc atanantnag   240

ctcntnctac nnccnnantc ctatccaccc gtggctncag nnancattcn gnnnacacca   300

nttacnnncc agnccncntc ccccngnnct cnnctactca nnacttcann anannatgnc   360

nttcnnnngc nnntcgntcn cccacnacnn cntttnttnc nncctctnnc nanctcnncc   420

ntnncnctnt nattccnctt ttaccctnan   450

<210> 77
<211> 400
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (2)..(3)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (9)..(9)
<223> n is a, c, g, or t

<400> 77
gnngaacgnc ggatccggga tatatgacaa gatgtgtatc caccttaact taatgatttt   60

taccaaaatc attaggggat tcatcagcac tttgcattga ttgcagtatg gacatcagat   120

ccatcggcgt agcgcccagc gcattgagcg cgcgcaccac gttattgagg ctggcgctgg   180

aacgtacgct ttgcagcgaa ccgccgctct ggcgtaaatc gatctgcgtt tgtggagtaa   240

ccacagtctg tccaccacca aacggtgtat ctggctggct gacattggcc tgacgattaa   300

ctgttactga gagattcccc tgcgctaccg cgcagctgtc gagggtcact tcgcgattca   360

tcaccaccga accggtgcgc gagttaatca ctactttagc   400

<210> 78
<211> 450
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<400> 78
tngnaaaaac gtnccggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat   60

gatttttacc aaaatcatta ggggattcat cagggtcagg tctggattta agttccatcc   120

ttgatagcct caccgccgcg caaaaagcga cgctnacccc catttcaaat cagcaatcgt   180

cgtttaccgc taaacttagc gcctacggta cgctgaaaag cgcgctgacg actttccaga   240

ccgccaatac tgcattgtct aaagccgatc ttttttccgc caccagcacc accagcagca   300

ccaccgcgtt cagtgccacc actgcgggta cgccatcgc cgggaaatac accatcagcg   360

tcacccatct ggcgcaggcg caaaccctga ccacgcgcac caccagagac gatacgaaaa   420

cggcgatcgc caccagcgac agtaaactca   450

<210> 79
<211> 397
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (1)..(2)
<223> n is a, c, g, or t

```
<220>
<221>  misc_feature
<222>  (4)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (22)..(22)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (24)..(24)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (26)..(27)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (32)..(32)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (36)..(36)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (89)..(89)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (93)..(93)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (157)..(157)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (166)..(166)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (241)..(241)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (284)..(284)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (303)..(303)
```

```
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (311)..(311)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (316)..(316)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (319)..(319)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (327)..(328)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (331)..(331)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (340)..(340)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (359)..(359)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (363)..(363)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (374)..(374)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (379)..(379)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (382)..(382)
<223>  n is a, c, g, or t

<400>  79
nnannaacaa tacgtcccaa gnananntga cnagangtgt atccacctta acttaatgat      60

ttttaccaaa atcattaggg gattcatcng ggnccggtct ggatttaagt ttccatcctt     120

gatagcctca ccgccgcgca aaaagcgacg ctaaccncca tttcanatca gcaatcgtcg     180
```

```
tttaccgcta aacttagcgc ctacggtacg ctgaaaagcg cgctgacgac tttccagacc    240

nccaatactg cattgtctaa agccgatctt ttttccgcca ccancaccac ctgcagcacc    300

acngcgttca ntgccnccnc tgcgggnnac nccatcgccn ggaaataccc cattaccgnt    360

canccatctg gcanatgcng cnaacccttg aacacgc                             397
```

```
<210>   80
<211>   331
<212>   DNA
<213>   Artificial

<220>
<223>   partial gene with transposon insert

<400>   80
aaaacgtccg gatccgggat catatgacaa gatgtgtatc caccttaact taatgatttt     60

taccaaaatc attaggggat tcatcagcgc tcaatctgcg cgcccagcgt caggaagtgc    120

tggcagcaaa catcgccaat gccgataccc ctggttatca ggcgcgcgat atcgattttg    180

ccagtgaact taaaaaagtc atgcaacgtg gacgggatgc aaccagtgtg gttgcactga    240

cgatgacctc aacgcaacac attccggcgc aggcgctgac gcctcctacc gcagaactgc    300

aataccgtat tccggaccag ccttcgcttg a                                    331
```

```
<210>   81
<211>   276
<212>   DNA
<213>   Artificial

<220>
<223>   partial gene witht transposon insert


<220>
<221>   misc_feature
<222>   (10)..(10)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (146)..(146)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (151)..(151)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (153)..(156)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
```

```
<222>   (158)..(158)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (160)..(164)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (166)..(166)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (221)..(221)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (229)..(229)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (233)..(234)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (253)..(254)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (256)..(256)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (258)..(261)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (263)..(263)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (266)..(266)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (270)..(270)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (272)..(273)
<223>   n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<400> 81
ataaaacggn taccggatcc gggatcatat gacagatgtg tatccacctt aacttaatga   60

tttttaccaa aatcattagg ggattcatga gggcgctgtt tccacagccc ttttaacgtt   120

tcaggcatta atatccagca cagtgnccct ngnnnncncn nnnncntcca ctgattcaac   180

tgcagcttcc agctaatatc aatatcttcg gtgatcatat nagtccacnc ggnnctagtc   240

gacgcgtggc cannantnnn ncnttntttn tnnctn   276

<210> 82
<211> 264
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (211)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```
<222>  (257)..(257)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (259)..(260)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (263)..(264)
<223>  n is a, c, g, or t

<400>  82
tttaaaaacc ggttaccgga tccgggatca tatgacaaga tgtgtatcca ccttaactta      60

atgatttta ccaaaatcat taggggattc atcagtgcca ggcgtctttt ccggccattg       120

tcgcagcact gtaacgcgta aaatagtgct ttctcttact cttctggctg gaccatgaga     180

cttctgattc tgactctttc attaatatcc nnnncnnnng tactagtcga cgcgtggcca     240

nannantnnt atntttnann acnn                                            264


<210>  83
<211>  242
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (21)..(21)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (168)..(169)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (173)..(175)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (199)..(199)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (201)..(201)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (204)..(204)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (206)..(206)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (208)..(208)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (214)..(214)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (216)..(216)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (229)..(231)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (234)..(234)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (237)..(237)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (239)..(240)
<223>  n is a, c, g, or t
```

```
<400>  83
ttgaaaaccg ctccggatcc nggatcatat gacaagatgt gtatccacct taacttaatg      60

atttttacca aaatcattag gggattcatc agcgttaaat tggcatcgtc atcgcggcag     120

caagttgatt attacgtaat gcctgcacgt aattctgtgg gatatccnnc ccnnncgtac     180

tagtcgacgc gtggccatnt nacntncngc aatncnttct gacacttcnn nttnctntnn     240

at                                                                   242
```

```
<210>  84
<211>  338
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
```

```
<221>  misc_feature
<222>  (3)..(4)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (15)..(15)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (176)..(176)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (180)..(180)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (183)..(183)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (188)..(188)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (207)..(207)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (220)..(220)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (223)..(223)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (226)..(226)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (234)..(234)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (236)..(236)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (241)..(241)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (245)..(245)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (274)..(274)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (283)..(283)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (285)..(285)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (291)..(291)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (296)..(296)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (311)..(312)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (316)..(316)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (322)..(322)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (327)..(327)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (333)..(333)
<223>  n is a, c, g, or t

<400>  84
gcnngcggta aacgnccgga tccgggatca ttgacaagat gtgtatccac cttaacttaa      60

tgatttttac caaaatcatt aggggggattc atcagagtta agtgtgacag tgggagttaa     120

gtatgccaga ggtacaaaca gatcatccag agacggcgga gttaagcaaa ccacancttn     180
```

cgnatggncg atttcaactt attaacncgt ttcgatgccn tgntgnagga gccnancatt   240

nttcncagcc cgctcatcgc cctgggaacc ttcncccccc ctncnttcct ntgctngcct   300

tggggccccc nncacncaac gnagacnggg ccnatccc   338

<210> 85
<211> 259
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (256)..(258)
<223> n is a, c, g, or t

<400> 85
aaccgtaccg gatccgggat cattgacaag atgtgtatcc accttaactt aatgattttt   60

accaaaatca ttagggggat tcatcagtgc nacgncnctn tnannnccat ngatntngca   120

ctgtaacgcg ctaaataacg cttgtntctt actcttctgg ctggaccatg agacttctga   180

ttctgactct ttcattaata tcccccncn ccgtactagt cgacgcgtgn cnatattatg   240

nnnccnnnnn ctantnnnc   259

<210> 86
<211> 250
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

```
<220>
<221>  misc_feature
<222>  (2)..(3)
<223>  n is a, c, g, or t

<400>  86
cnnccggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat gatttttacc      60

aaaatcatta ggggattcat cagaggcaag tgtcaataat ctgacgagca agtttatttc     120

gttccattag ctacctctct ctgattcaaa acagggcaat aatgttgttc ctttcacact     180

attgaattag ccgtttaatt acccaccatc ttcttcctga ttaacaagaa agaaattcac     240

aagcttatat                                                           250


<210>  87
<211>  390
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<400>  87
aacgnccgat tccggatcat atgacaagat gtgtatccac cttaacttaa tgattttac      60

caaaatcatt aggggattca tcagccagat gcgttcctga ccctcaagtg agacttcatg     120

acgctggtta ctgtcggaaa aatcagtgaa agcccaggag acaccgtact tacgccgctc     180

attttgatac cagcgaacat aagcctgagc actgttgcct gtaacaccat ttttcattgc     240

ccgtaatgga acgcggtgag agaggcgttc cagttgcgaa ccaatacgcc agttatcatt     300

aaaatcatac cagccagaca ggcgcgcgcc gggtttatgc tcatgattga aaacgcgttc     360

agcgtactct gcctcgagcc agatattacg                                     390


<210>  88
<211>  314
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (5)..(6)
<223>  n is a, c, g, or t

<220>
```

Page 84

<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<400> 88
aacgnnccgg atccgggatc atatgacaag atgtgtatcc accttaactt aatgattttt   60

accaaaatca ttaggggatt catcagtgcc cagggttttc accttgcaat ggccgggtat   120

aaacaggcag gaaattgana ncantgagnc atnnncnacg anaccaattn ctggcntngc   180

cgggcattat ctttttaatt ctctttccca tcattctttc gctatggatt gccttccttt   240

gggcaaaatc agaagtgaat aatcagctcc gaacctttgc tcaactggca ctggataaat   300

ccgagctggt catt   314

```
<210>  89
<211>  432
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (2)..(2)
<223>  n is a, c, g, or t

<400>  89
cncgccggac atccggatcc gggatcatat gacaagatgt gtatccacct taacttaatg      60

attttacca  aaatcattag gggattcatc aggtgacagt tagcgcgccc ggataatttt     120

cactctccag gtggctgtaa aagagatccg caagttcttc atcggataaa tccggggcaa     180

tggtctcctt gtgataaaag agctcggtca ttattgactg tgctttttc ggctgatgat      240

ctttgagata agccgatgca acccaatatt gcccccaggg cggaataatt tgccccgtct     300

tttttaatcg ctgatagtga gaaataacgt ctttataacg atcgcgagtt aataacgcgc     360

caagatgatc aacctgaata cgctggtact gggcagtgcg gtctgggtta tcgtgccaca     420

gaatttctaa tg                                                         432
```

```
<210>  90
<211>  209
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (89)..(89)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (95)..(95)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (99)..(99)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (110)..(110)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<400> 90
aaacgaccgg accggatcat atgacaagat gtgtatccac cttaacttaa tgatttttac   60

caaaatcatt aggggattca tcagtgccng gcgtntttnc cggccattgn cncagcactg   120

nnacgcgtaa aatagngctt tctcttactc ttctggctgg accatgagac ttctgattct   180

gactctttca ttaatatccc cccccccg   209

<210> 91
<211> 450
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (1)..(1)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (4)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>

```
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<400> 91
ngannatacg nccgatccgg gatcatatga caagatgtgt atccccttaa cttaatgatt       60

tttaccaaaa tcattagggg attcatcagg ttgaaacatc ttataagggg tggcaaaact      120

caccggggat gcaagcgaaa caggggagtc attgcttaga tgatgacagg taatggcgcg      180

gatatcgaat gttatgcaan caganaanan cagnctgttc aaatggctgt gcgattctgg      240

atagcccgaa atagtcaact tcaggctatc cagagagcgg aattattccg ccaaagtgcg      300

tttttgctgt tcgagatcgc gttcaatgcc gtcacgaaca tcctgggggga ttttcagcgc      360

gtcacccagt gcattcaggt aactgcgttc cataaaatgg tcaatatcaa tagccgcgnn      420

actaatnnac ncgnggccna gcgcctcttc                                       450
```

```
<210> 92
<211> 469
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
```

```
<222>  (3)..(3)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (378)..(378)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (442)..(442)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (446)..(449)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (451)..(451)
<223>  n is a, c, g, or t

<400>  92
cgnccggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat gatttttacc      60

aaaatcatta ggggattcat cagtgccgac ggtcttttga gcgtgacggc gatggagaaa     120

tccaccggcg ttgaggcgtc tattcaggtc aaaccgtctt acggtctgac cgatagcgaa     180

atcgcttcga tgatcaaaga ctcaatgagc tatgccgagc aggacgtaaa agcccgaatg     240

ctggcagaac aaaaagtaga agcggcgcgt gtgctggaaa gtctgcacgg cgcgctggct     300

gctgatgccg cgctgttaag cgccgcagaa cgtcaggtca ttgacgatgc tgccgctcac     360

ctgagtgaag tggcgcangg cgatgatgtt gacgccatcg aacaagcgat taaaaacgta     420

gacaaacaaa cccaggatat cncccnnnnc ngtactagtc gacgcgtgg                469
```

```
<210>  93
<211>  212
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (1)..(1)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (134)..(143)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (167)..(167)
```

```
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (170)..(175)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (177)..(180)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (182)..(188)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (190)..(195)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (198)..(199)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (201)..(203)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (205)..(209)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (211)..(211)
<223>  n is a, c, g, or t

<400>  93
ngaaaaacgt ccggatccgg gatcatatga caagatgtgt atccacctta acttaatgat      60

ttttaccaaa atcattaggg gattcatcag ctccgcgccc tggttttttaa cattacccac     120

cgcgcgcgat atcnnnnnnn nnngtactag tcgacgcgtg ggccaantan nnnnncnnnn     180

tnnnnnnntn nnnnncgnnt nnngnnnnnc nc                                   212


<210>  94
<211>  290
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
```

```
<222>  (270)..(271)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (273)..(273)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (288)..(288)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (290)..(290)
<223>  n is a, c, g, or t

<400>  94
aaaaaccgtt accggatccg ggatcatatg acaagatgtg tatccacctt aacttaatga      60

tttttaccaa aatcattagg ggattcatca gagttaagtg tgacagtgga gttaagtatg     120

ccagaggtac aaacagatca tccagagacg gcggagttaa gcaaaccaca gctacgcatg     180

gtcgatctca acttattaac cgttttcgat gccgtgatgc aggagcaaaa cattactcgt     240

gccgctcatg ttctgggaat atccccccn ncngtactag tcgacgcngn             290


<210>  95
<211>  269
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<400>  95
aaaaaccgtt accggatccg ggatcatatg acaagatgtg tatccacctt aacttaatga      60

tttttaccaa aatcattagg ggattcatca gagttaagtg tgacagtgga gttaagtatg     120

ccagaggtac aaacagatca tccagagacg gcggagttaa gcaaaccaca gctacgcatg     180

gtcgatctca acttattaac cgttttcgat gccgtgatgc aggagcaaaa cattactcgt     240

gccgctcatg ttctgggaat atccccccc                                    269


<210>  96
<211>  404
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
<222>  (2)..(2)
<223>  n is a, c, g, or t
```

<400> 96
cncgccggac atccggatcc gggatcatat gacaagatgt gtatccacct taacttaatg   60

atttttacca aaatcattag gggattcatc aggtgacagt tagcgcgccc ggataatttt   120

cactctccag gtggctgtaa aagagatccg caagttcttc atcggataaa tccggggcaa   180

tggtctcctt gtgataaaag agctcggtca ttattgactg tgcttttttc ggctgatgat   240

ctttgagata agccgatgca acccaatatt gcccccaggg cggaataatt tgccccgtct   300

tttttaatcg ctgatagtga gaaataacgt ctttataacg atcgcgagtt aataacgcgc   360

caagatgatc aacctgaata cgctggtact gggcagtgcg gtct   404

<210> 97
<211> 291
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<400> 97
aaaaaccgtt accggatccg ggatcatatg acaagatgtg tatccacctt aacttaatga   60

tttttaccaa aatcattagg ggattcatca ggagctggng cgttttctcc ccacggccag   120

tggcgttcac natagaccca gaaatagacg ccgncnacaa tncacataat ggacataaaa   180

aacggccaga agaaaacgaa cctnatcatc agttcaccga gtgaaagtac gctacgcata   240

ggggtatgca taacaccaga cataatataa aaaacgatac gatgcgatta a   291

<210> 98
<211> 400
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (9)..(9)
<223> n is a, c, g, or t

<400> 98
gagatacgnc cggatccggg atcatatgac aagatgtgta tccaccttaa cttaatgatt   60

tttaccaaaa tcattagggg attcatcagt gctccaccct ggcccggatg ctggctttca   120

tgtattcgat gttgatggcc gttttgttct tgcgtggatg ctgtttcaag gttcttacct   180

tgccggggcg ctcggcgatc agccagtcca catccacctc ggccagctcc tcgcgctgtg   240

gcgcccttg gtagccggca tcggctgaga caaattgctc ctctccatgc agcagattac   300

ccagctgatt gaggtcatgc tcgttggccg cggtggtgac caggctgtgg gtcaggccac   360

tcttggcatc gacaccaatg tgggccttca tgccaaagtg   400

<210> 99
<211> 434
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

```
<220>
<221>  misc_feature
<222>  (158)..(158)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (230)..(230)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (234)..(235)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (241)..(241)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (244)..(244)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (247)..(248)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (262)..(262)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (265)..(268)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (270)..(270)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (272)..(274)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (277)..(279)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (282)..(284)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>  (287)..(288)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (290)..(290)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (292)..(293)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (295)..(295)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (303)..(303)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (309)..(311)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (315)..(316)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (318)..(318)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (323)..(323)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (326)..(326)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (330)..(330)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (333)..(333)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (336)..(336)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (338)..(338)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (340)..(344)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (346)..(346)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (351)..(351)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (361)..(362)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (367)..(367)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (372)..(373)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (376)..(377)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (381)..(381)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (386)..(387)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (390)..(390)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (393)..(393)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (395)..(396)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(410)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<400> 99
cgnccgatcc gggatcatat gacaagatgt gtatccacct taacttaatg attttttacca   60

aaatcattag gggattcatc aggatgaatt acgggcgatg acagagtcat tacctgaaaa   120

tgcatctacg caacaatatc ccacnnantn gtactagncg acgcgtggcc atcaacttgc   180

tgccgcgatt gacgatgcca atttaacgcc agatattcgc gctgatattn ctanncgacg   240

ngcnggnnga cgcgtggcca angcnnnncn tnnnctnnna annntgnncn gnncnctggc   300

tgntgtccnn nctgnnancg ccncanaacn tcntgncntn nnnnangctg ncgtcccta   360

nngaagnggc cnnggnnaat natgtnnacn ccntnnccaa ncgnttnnnn actnnacnan   420

cnacccnnga tntc   434

<210> 100
<211> 250
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (156)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```
<222>  (248)..(248)
<223>  n is a, c, g, or t

<400>  100
cacggatccg ggatatatga caagatgtgt atccacctta acttaatgat ttttaccaaa      60

atcattaggg gattcatcag cgttaaattg gcatcgtcaa tcgcggcagc aagttgatta     120

ttacgtaatg cctgcacgta ttctgtggga tatccnnccc ncccgtacta gtcgacgcgt     180

ggccatgnna tnnnccgnna ttcatnctga tgacnccccg ncagtttata natatnnnnn     240

nnnnngtnct                                                            250


<210>  101
<211>  458
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (162)..(162)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (187)..(189)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (197)..(197)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (200)..(200)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (204)..(204)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (208)..(209)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (214)..(216)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (219)..(219)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (226)..(226)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (228)..(229)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (231)..(231)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (235)..(236)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (239)..(241)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (246)..(246)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (248)..(248)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (253)..(253)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (255)..(255)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (259)..(259)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (261)..(261)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (263)..(264)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>  (267)..(268)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (273)..(273)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (278)..(280)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (283)..(285)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (288)..(288)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (293)..(293)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (303)..(303)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (306)..(307)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (313)..(316)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (318)..(318)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (322)..(322)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (327)..(327)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (335)..(336)
<223>  n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (445)..(446)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (448)..(448)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (452)..(452)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (456)..(456)
<223>  n is a, c, g, or t

<400>  101
aacgcaccgg atccgggatc attgacaaga tgtgtatcca ccttaactta atgattttta      60

ccaaaatcat taggggattc atcagactga cgcgcccgca aaaagggcgg attgtcctca     120

atgggcgggt actaaatgat gccgaaaaag gtatctgcct tnccgtacta gtcgacgcgt     180

ggccacnnnt tcattcnccn ctanctcnna agtnnnccna ctccgngnnc naccnnccnn     240

ncccentngc agnentgtne nennaenneg genacecnnn gannegnet cenccegece     300

ctntcnncac ctnnnnangg cntaccngcc cctcnngctc ngttaccttn ntnnntnncc     360

gnccccnctc ananncnccn tnacnngncn nncnatnent cgcnnnnnna gtanncccnc     420

ntcccccac ncncnnnccg tnttnncnct tnaganct                             458
```

```
<210>  102
<211>  455
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (150)..(150)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (154)..(154)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>  (164)..(164)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (174)..(174)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (191)..(191)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (197)..(197)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (202)..(202)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (205)..(207)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (212)..(213)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (224)..(224)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (227)..(227)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (229)..(229)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (232)..(233)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (242)..(242)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (252)..(252)
<223>  n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (254)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(383)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (386)..(386)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (392)..(392)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (401)..(401)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (408)..(408)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (411)..(411)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (413)..(414)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (417)..(417)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (420)..(420)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (422)..(422)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (427)..(427)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (430)..(432)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (435)..(435)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (439)..(439)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (442)..(443)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (450)..(451)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (455)..(455)
<223>  n is a, c, g, or t

<400>  102
aacgnaccgg atccgggatc atatgacaag atgtgtatcc accttaactt aatgattttt     60

accaaaatca ttaggggatt catcagactg acgcgcccgc aaaaagggcg gattgtcctc    120

aatgggcggg tactaaatga tgccgaaaan ggtntcttgc ctgncccgta ctantcgacg    180

cgtggccaac naacctnctt cntannntcg cnnttccccc ttcngcncnt cnnccactcc    240

cngctgctcc tncnnccttc cncgcnccnt accntcgtnn ccttantcca cctgcnncta    300

tcccncggcc cgncctcccg nccccccnct ncaantngtt cangnacngn ccnccctcgc    360

ccnagcgctn ccngngccag nnnctnttca tntccctccc ngatccantc ncnnccnttn    420

cnctctnacn nnccngtcnc tnnccccctn nttan                               455
```

```
<210>  103
<211>  300
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
<222>  (2)..(2)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (158)..(158)
<223>  n is a, c, g, or t

<400>  103
cncgaccggg atatatgaca agatgtgtat ccaccttaac ttaatgattt ttaccaaaat     60

cattagggga ttcatcaggg tttcgctgtc cttttgtgct ttgttatgca ttttctgcgc    120

agattcactt tgcgaggcaa tatccatggc atcaaaanaa tggcaactac ggcacgttgc    180

agagtcagtg gcttttaatt ctttccatac tgtttcggcc atttcctggc gatgagcttc    240

gaacttatcg tcactgtcta ttttgccgct aacaaattca tgataaatat ctttagatgc    300
```

<210> 104
<211> 527
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (5)..(6)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```
<222>    (225)..(225)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (229)..(229)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (231)..(231)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (237)..(237)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (239)..(241)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (247)..(247)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (250)..(250)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (253)..(254)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (256)..(256)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (264)..(265)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (269)..(272)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (280)..(281)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (287)..(287)
<223>    n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (291)..(291)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (296)..(297)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (304)..(304)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (311)..(311)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (319)..(319)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (322)..(322)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (332)..(332)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (337)..(338)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (343)..(343)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (363)..(363)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (369)..(369)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (372)..(372)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (374)..(374)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(410)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (457)..(457)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (463)..(463)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (465)..(465)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (468)..(468)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (471)..(473)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (477)..(477)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (482)..(482)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (485)..(485)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (488)..(489)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (491)..(491)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (495)..(496)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (498)..(498)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (501)..(501)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (503)..(503)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (505)..(505)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (507)..(507)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (509)..(509)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (511)..(511)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (514)..(514)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (525)..(525)
<223>  n is a, c, g, or t

<400>  104
aaacnnccgg atccgggatc atatgacaag atgtgtatcc accttaactt aatgattttt      60

accaaaatca ttaggggatt catcanggtt ttgacccatg acagataaac gcaaagatgg     120

ctcatgcana ttgctgtatt gctctttttg cggcaaaagc cnncatgaag tgcgccagct     180

gannagccgg nccatccctn tatatcnncc nnccctgtac ctngncggnc ncgtggncnn     240

nctcctntcn ttnncntctc cccnntctnn nncccctctn ncgcggnccc nctganncgc     300

ctcncttctt ntacctccnc gngcctctac cnctcgnncc tcnccccca cctccttatt     360

ccncctccnt cntntccntc tccacctntc ctttccnacc gcnncatnnn acgtctcntt     420

ccctnnnncc acnnntnatc cttcngcncc cctcngngcg aancntcnct nnnctancgg     480

cncgntgnnc ntgcnncnca ntnancncnc nctnattgag tgcgngt                   527


<210>  105
<211>  233
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert
```

```
<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(213)
<223> n is a, c, g, or t

<400> 105
cncgatccgg gatattgaca agatgtgtat ccaccttaac ttaatgattt ttaccaaaat    60

cattagggga ttcatcaggt gacgacatcc gtgccataat gtttttgcca ggaggcacca   120

acacctgcgc tgaatatttg ctcccagcta ttttcatagc ttcgccataa caaatggctt   180

gcctcaaatg ccggaacaat atcnnncnnn nnngtactag tcgacgcgtg cca          233


<210> 106
<211> 492
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<400> 106
aaacccaccg gatccgggat catatgacaa gatgtgtatc caccttaact taatgatttt    60

taccaaaatc attaggggat tcatcagagt tttatctgcg tctggcgcaa cgcattatgc   120

atctgttcag tacgcgtacc tcttccggca ttttgtatga agtggatgct cgactgcgtc   180

cgtccggggc ggcgggaatg ctggtgacat ccgcagaagc atttgccgat tatcagaaaa   240

acgaggcctg gacgtgggaa catcaggcgc tggtgcgtgc gcgtgtagtg tacggcgatc   300

cgcagctcac cgcgcacttt gacgcagtgc gtcgcgagat tatgacgctg ccgcgtgaag   360

gtaaaactct gcaaacggaa gtgcgggaaa tgcgcgagaa aatgcgcgct catctcggca   420

ataaacatcg cgatcgcttt gatatcaaag ctgatgaagg gggaattacc gatatcgaat   480

ttattaccca at                                                      492


<210> 107
<211> 402
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert
```

```
<220>
<221>  misc_feature
<222>  (2)..(2)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (4)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (14)..(14)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (97)..(97)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (103)..(104)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (106)..(106)
<223>  n is a, c, g, or t

<400>  107
gncnnctaaa aacnttaccg gatccgggat catatgacaa gatgtgtatc caccttaact      60

taatgatttt taccaaaatc attaggggat tcatcanggc cgnnanggtg tggcgctgcc     120

cgctgtatgt gccaaaacag ccgagcaccc tgaaacgcct gttgcatctg ggcagttttg     180

ccgtcagcag tttctttccg ctgatggcgc aacgtcgctg gaagccggat cgcattattg     240

gcgtggtgcc aacgctgttt tgcgcgccgg gaatgcgcct gctggcgaaa ctctctggtg     300

cgcgtaccgt gctgcatatt caggattacg aagtggacgc catgctgggg ctgggccttg     360

ccggaaaagg caaaggcggc aaagtggcac agctggcaac gg                       402


<210>  108
<211>  483
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
<222>  (3)..(3)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<400> 108
cgnccggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat gatttttacc   60

aaaatcatta ggggattcat cagcgcatct ggtcttcacc atatttgatt gtcgatttcc   120

tacccagtct gtattacgaa caaaatacag aacacgatac cccatactac aaccctataa   180

aaacgttcga tatngttccg gcntgtgctg cncgncnngt ggnctggcga agctatgaaa   240

atagctggga gcaaatattc agcgcaggtg ttggtgcctc ctggcnaaaa cattatggca   300

cggatgtcgt cacccaactc ggctacgggc aacgcattag ttggaatgac gtgattgatg   360

ctggcgcaac gctacgctgg gaaaaacgac cttatgacgg tgacagagaa cacaacttat   420

acgttgaatt cgatatgaca ttcagatttt aaggataaat atgttacgta atggaaataa   480

ata   483

<210> 109
<211> 455
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>

```
<221>  misc_feature
<222>  (4)..(4)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (115)..(115)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (234)..(234)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (238)..(238)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (240)..(240)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (243)..(243)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (265)..(265)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (287)..(287)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (292)..(292)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (296)..(296)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (301)..(301)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (315)..(315)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (323)..(323)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (326)..(326)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (330)..(330)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (335)..(335)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (337)..(337)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (340)..(341)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (350)..(350)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (352)..(352)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (357)..(359)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (362)..(362)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (369)..(369)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (372)..(372)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (382)..(382)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>  (384)..(384)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (387)..(387)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (394)..(394)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (399)..(399)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (419)..(419)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (421)..(421)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (423)..(423)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (434)..(435)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (441)..(441)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (449)..(449)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (454)..(454)
<223>  n is a, c, g, or t

<400>  109
acgncggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat gatttttacc      60

aaaatcatta ggggattcat cagcaccgta cttacgccgc tcattttgat accancgaac     120

ataagcctga gcactgttgc ctgtaacacc attttttcatt gcccgtaatg gaacgcggtg    180

agagaggcgt tccagttgcg aaccaatacg ccagttatca ttaaaatcat atcngccngn    240

ccngtactag tcgacgcgtg gccanaaatt gaaaactggt ttgccanaat tntctngatc    300
```

ncctaaaaag ctatnactgg acncgntatn atggntntgn nttatctggn anggggnnnc   360

anaaaaatnc gntgccaatg gntnatncaa ttgnccatna aattaaaaac atcccttang   420

ntnaaagaca aatnnatttt ntaattcang ggcna   455

<210> 110
<211> 468
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (1)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (18)..(18)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (328)..(329)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (332)..(332)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (347)..(347)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (359)..(360)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (364)..(364)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (367)..(367)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (372)..(373)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (375)..(375)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (379)..(379)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (382)..(382)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (389)..(389)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (391)..(391)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (393)..(393)
<223>  n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```
<222>  (440)..(440)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (444)..(445)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (447)..(447)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (450)..(452)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (454)..(455)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (458)..(458)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (461)..(462)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (464)..(465)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (468)..(468)
<223>  n is a, c, g, or t

<400>  110
nngnaaacca gccggacntc ccggatccgg gatcatatga cnagatgtgt atccacctta       60

acttaatgat ttttaccaaa atcattangg gattcatcag ncagatgcgt tcctgaccct      120

caagngagac ttcatgacgc tggttactgt cggaaaaatc agtgaaagcc cagganacac      180

cgtacttacg ccgctcattt tgataccagc gaacataagc ctgagcactg ttgcctgtaa      240

caccattttt cattgcccgt aatggaacgc ggtgagagag gcgttccagt tgcgaaccaa      300

tacgccagnt atcattaaaa tcatatcnnc cngaagagga ctagtcnacg cgtggccann      360

acanccncac tnntnaacnt gnggctacna ntntaccngc ccannagnnt tacntnantt      420

ncgcncncct nccantcncn cccnnangtn nncnnaanct nnannctn                   468


<210>  111
<211>  313
```

```
<212>   DNA
<213>   Artificial

<220>
<223>   partial gene with transposon insert


<220>
<221>   misc_feature
<222>   (1)..(2)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (5)..(5)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (18)..(18)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (168)..(168)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (170)..(172)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (175)..(177)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (201)..(201)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (205)..(205)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (209)..(209)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (214)..(217)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (222)..(222)
<223>   n is a, c, g, or t

<220>
```

```
<221>  misc_feature
<222>  (226)..(226)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (228)..(228)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (233)..(233)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (235)..(235)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (238)..(238)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (243)..(243)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (246)..(246)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (252)..(252)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (256)..(256)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (267)..(267)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (269)..(270)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (273)..(273)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (276)..(276)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (280)..(281)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (288)..(288)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (296)..(296)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (303)..(303)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (305)..(305)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (308)..(309)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (312)..(312)
<223>  n is a, c, g, or t

<400>  111
nnaanatacg gttccggntc gggatcatat dacaagatgt gtatccacct taacttaatg      60

atttttacca aaatcattag gggattcatc agatggaagc attaaccgcg gcctccgtgg     120

cggcgctgac catttatgac atgtgcaaag cggtgcaaaa agatatcncn nnccnnngta     180

ctagtcgacg cgtggccaaa natcngggnt ctcnnnntgc tngctncnaa tcnantgnac     240

ccnctnaacc cnttcnagct aaacatntnn atntgnaacn nataaacnca ggacgncact     300

atngngtnna cnt                                                        313


<210>  112
<211>  398
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (3)..(4)
<223>  n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (11)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (25)..(25)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<400> 112
cgnnganacg nccgaatccg gatantanac aagatgtgta tccccttaac ttaatgattt   60

ttaccaaaat cattagggga ttcatcaggg ctttagcggg agtctgagcg aaattcgaca   120

aaacccggag caatttaaac agtgggcccg ctttaaaagt cgtgcgttaa ctgacttcac   180

tttagaactt agtgcgcgcg taaaagccat tcgcggtcca catattaaaa ctgcacgaaa   240

tatttttgca cttccggtaa tacaacctga aagtgaagcc tggtttgcac agaattatgc   300

tgatttccta aaaagctatg actggaccgc tattatggct atgccttatc tggaaggtgt   360

cgcagaaaaa tcggctgacc aatggttaat acaattga   398

<210> 113
<211> 300
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (1)..(1)
<223> n is a, c, g, or t

<400> 113
nacggatccg ggatatatga caagatgtgt atccacctta acttaatgat ttttaccaaa   60

atcattaggg gattcatcag tatctggtgt gcattgatgg cgatgcgtta ttagaccgcg   120

atgcggcggc atatattgtg gaaccgatgt tgtacaaccc gcgtgtgggt gccgtaaccg   180

gtaatcctcg tattcgaaca cgttctaccc tggtgggtaa aattcaggtt ggcgagtatt   240

cctcaattat tggtttgatc aagcgaaccc agcgtatcta tggaaacgta tttaccgttt   300

```
<210>  114
<211>  300
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (1)..(1)
<223>  n is a, c, g, or t

<400>  114
ncgatccggg atcattgaca agatgtgtat ccaccttaac ttaatgattt ttaccaaaat        60

cattagggga ttcatcagta tctggtgtgc attgatggcg atgcgttatt agaccgcgat       120

gcggcggcat atattgtgga accgatgttg tacaacccgc gtgtgggtgc cgtaaccggt       180

aatcctcgta ttcgaacacg ttctaccctg gtgggtaaaa ttcaggttgg cgagtattcc       240

tcaattattg gtttgatcaa gcgaacccag cgtatctatg gaaacgtatt taccgtttcc       300


<210>  115
<211>  453
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (128)..(129)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (154)..(154)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (159)..(160)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (164)..(165)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (178)..(179)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(235)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

```
<220>
<221>  misc_feature
<222>  (308)..(308)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (317)..(318)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (330)..(330)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (333)..(333)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (338)..(338)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (342)..(342)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (344)..(344)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (352)..(352)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (354)..(354)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (356)..(356)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (369)..(369)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (371)..(371)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>   (374)..(374)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (377)..(377)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (379)..(380)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (382)..(382)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (384)..(387)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (396)..(396)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (412)..(412)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (415)..(415)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (425)..(425)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (427)..(427)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (430)..(430)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (437)..(438)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (446)..(446)
<223>   n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (448)..(448)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (450)..(452)
<223>  n is a, c, g, or t

<400>  115
aaacntaccg gatccgggat catatgacaa gatgtgtatc caccttaact taatgatttt      60

taccaaaatc attaggggat tcatcagcgg cgagcaggcg atttccaccg aggcttatat     120

ccccccccnnc cgtactagtc gacgcgtggc caantatcnn gatnnccccg cctgtcannc     180

nanccccccc tgcgnccccct cntccnactc nancntagac cngccnctnn tnnnncanct     240

cncggcgcnt gtnccaacct gcnccncccc gtcctgccna cnctctccac gncncnnccn     300

nttncccngc cctgccnnct ctcccccccn ccnccacnct cngnccctca gncncngtcc     360

cgctcggtnc nccnacncnn cncnnnnagc tctccngtta cctcaccgat gntcnccccc     420

ctcgngngcn caccccnnag cagccncntn nnc                                  453



<210>  116
<211>  268
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (6)..(6)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (89)..(89)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (104)..(104)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (107)..(107)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (109)..(111)
<223>  n is a, c, g, or t

<220>
```

```
<221>  misc_feature
<222>  (116)..(116)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (121)..(121)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (134)..(134)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (140)..(140)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (144)..(145)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (151)..(151)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (164)..(164)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (166)..(168)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (172)..(174)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (180)..(181)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (183)..(184)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (186)..(186)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (189)..(191)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (194)..(194)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (196)..(196)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (206)..(206)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (208)..(209)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (211)..(211)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (213)..(213)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (218)..(218)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (221)..(221)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (223)..(225)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (228)..(228)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (235)..(238)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (243)..(243)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>   (245)..(245)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (248)..(249)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (251)..(251)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (253)..(253)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (258)..(258)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (260)..(260)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (264)..(264)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (267)..(267)
<223>   n is a, c, g, or t

<400>   116
aacggnccgg atccgggatc atatgacaag atgtgtatcc accttaactt aatgattttt      60

accaaaatca ttaggggatt catcagagnt aagcgtgaca gtgntantnn nctacngcca     120

naggtacaaa caanttcatn catnngccgc ngaagatttc cttntnnnag cnnncagccn     180

ngnntnttnn ncantntcct aacccntnnc ncntggtngt nannncangt tcatnnnnca     240

ttnantgnnt ntntcgantn cgcntcnc                                        268


<210>   117
<211>   263
<212>   DNA
<213>   Artificial

<220>
<223>   partial gene with transposon insert


<220>
<221>   misc_feature
<222>   (2)..(2)
<223>   n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (110)..(110)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (118)..(118)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (144)..(144)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (173)..(174)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (183)..(183)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (210)..(210)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (212)..(212)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (214)..(214)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (219)..(219)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (243)..(255)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (257)..(262)
<223>  n is a, c, g, or t

<400>  117
gnaaagcccg ccggacatcc cggatccggg atcatatgac aagatgtgta tccaccttaa      60

cttaatgatt tttaccaaaa tcattagggg attcatcaga gccggaagtn aacgcggngc     120

tggagaagat gaaaaccttc tcanaagcga ttatttccgg tgagtggaaa ggnnataccg     180
```

gcnaagcaat cactgacgta gtgaatatcn cncnccccng tactagtcga cgcgtggcca   240

cannnnnnnn nnnnncnnnn nnc   263

<210> 118
<211> 390
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(235)
<223> n is a, c, g, or t

```
<220>
<221>  misc_feature
<222>  (240)..(240)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (245)..(245)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (247)..(247)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (249)..(251)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (256)..(256)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (258)..(258)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (260)..(260)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (263)..(263)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (265)..(265)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (268)..(268)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (270)..(273)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (275)..(275)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>    (277)..(277)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (280)..(280)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (287)..(288)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (293)..(294)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (297)..(299)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (302)..(302)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (304)..(307)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (316)..(318)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (321)..(323)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (327)..(327)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (329)..(329)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (332)..(333)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (337)..(337)
<223>    n is a, c, g, or t
```

```
<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(388)
```

<223> n is a, c, g, or t

<400> 118

```
acgaccggat ccgggatcat atgacaagat gtgtatccac cttaacttaa tgatttttac    60

caaaatcatt aggggattca tcagtgctcg ccgccttctt tggcactgcg gaaggtaaac   120

agcagcngtt tttctggcat ggactcacgg agaatttttg ctgccgccat gacagactcc   180

acattggagn ggtangcatn ctggnccaca cnccattcca nantatcnnc tttnnctgcn   240

actantnann nctcgnantn ttncntcncn nnncncncan ttcctcnncc ttnnacnnnc   300

gngnnnnttg ttgaannntt nnnacancnc annttcnccc cncntctnnt anatnngncc   360

cnngcctnnn agtnntantn cnntttnntc                                    390
```

<210> 119
<211> 392
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<400> 119

```
cgtaccggat ccgggatcat atgacaagat gtgtatccac cttaacttaa tgatttttac    60

caaaatcatt aggggattca tcangggccc ggtaccgttg gctgatattt ccgaacgtca   120

gggaatttcc ctttcttatc tggaacaact gttttcccgt ctgcgtaaaa atggtctggt   180

ttccagcgta cgtggaccag gcggtggtta tctgttaggc aaagatgcca gcagcatcgc   240

cgttggcgaa gtaattagcg ccgttgacga atctgtagat gccacccgtt gtcagggtaa   300

aggcggctgc cagggcggcg ataaatgcct gacccacgcg ctgtggcgtg atttgagcga   360

ccgtctcacc ggttttctca acaacattac tt                                 392
```

<210> 120
<211> 451
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<400> 120

```
cgnccggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat gatttttacc      60

aaaatcatta ggggattcat cagggcttta gcgggagtct gagcgaaatt cgacaaaacc     120

cggagcaatt taaacagtgg gcccgcttta aaagtcgtgc gttaactgac ttcactttag     180

aacttagtgc gcgcgtaaaa gccattcgcg gtccacatat taaaactgca cgaaatattt     240

ttgcacttcc ggtaatacaa cctgaaagtg aagcctggtt tgcacagaat tatgctgatt     300

tcctaaaaag ctatgactgg accgctatta tggctatgcc ttatctggaa ggtgtcgcag     360

aaaaatcggc tgaccaatgg ttaatacaat tgaccaatca aattaaaaac atccctcagg     420

ctaaagacaa atctatttta gaattacagg c                                    451
```

```
<210>  121
<211>  300
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (1)..(1)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (8)..(8)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (270)..(271)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (273)..(276)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (300)..(300)
<223>  n is a, c, g, or t

<400>  121
ncaacgtncc ggatccggga tcatatgaca agatgtgtat cccccttaact taatgatttt     60

taccaaaatc attaggggat tcatcaggtt tatgctgact taattgctcc agcagcattt    120

cgtgggtgga ttcgaagcag cgaagatgaa tgggctcgcc ttctaccact gcggcgttaa    180

gtacgctact gaccaggcgt ttggaaagtg catcagccac gccaacgtca aacaataaat    240

tggattcttt gcgatagttc acaatatccn ncnnnnccgt actagtcgac gcgtggccan    300
```

Page 145

```
<210>  122
<211>  393
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (121)..(121)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (139)..(139)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (149)..(149)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (223)..(223)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (262)..(262)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (264)..(267)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (270)..(271)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (273)..(273)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (293)..(293)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (298)..(299)
<223>  n is a, c, g, or t
```

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```
<222>  (382)..(383)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (385)..(385)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (393)..(393)
<223>  n is a, c, g, or t

<400>  122
aaacncaccg gatccgggat catatgacaa gatgtgtatc caccttaact taatgatttt      60

taccaaaatc attaggggat tcatcagagt taagtgtgac aagtggagtt aagtatgcca     120

naggtacaaa cagatcatnc agagacggng gagttaagca aaccacagct acagcatggt     180

cgatctcaac ttattaaccg ttttcgatgc cgtgatgcag gancaaaaca ttactcgtgc     240

cgctcatgtt ctgggaatat cncnnnngcn ngnactagtt cgacgcgtgg ccncatanna     300

tgtntcnnnt tcnnnnctct tcnnttgctt cccttncccc tcttccngcc ccccannncg     360

tctnntntnn atcnngnnct tnncntacga ctn     393


<210>  123
<211>  331
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (7)..(7)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (9)..(9)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (16)..(16)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (33)..(33)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (60)..(60)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (69)..(69)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (88)..(88)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (173)..(173)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (193)..(193)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (203)..(203)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (236)..(236)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (244)..(244)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (265)..(266)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (269)..(270)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (275)..(275)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (282)..(282)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (284)..(284)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (295)..(296)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<400> 123
aaacccntng gatccngcat catatgacaa gangttgtat ccaccttaac ttaatgattn   60

ttaccaaant cattagggga ttcatcanag ttaagtgtga cagtggagtt aagtatgcca   120

gaggtacaaa cagatcatcc agagacggtg gagttaagca aaccacagct acngcatggt   180

cgatctcaac ttnttaaccg ttntcgatgc cgtgatgcag gagcaaaaca ttactncgtg   240

ccgntcatgt tctgggaata tcccnnggnn acgtnctagt cnangcgtgg ccaanngntn   300

nggnnnctna ntcacagnan ctttannngt n   331

<210> 124
<211> 298

```
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (4)..(4)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (13)..(13)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (251)..(251)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (254)..(254)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (276)..(276)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (280)..(280)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (283)..(286)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (291)..(291)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (293)..(293)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (295)..(296)
<223>  n is a, c, g, or t

<400>  124
agcncgccgg acntcccgga tcgggatcat atgacaagat gtgtatccac cttaacttaa      60

tgattttac caaaatcatt aggggattca tcagtcggta gttaagcaga aattaatatc      120

gcttacttta accaccgcag cacaattagc taattttacg gatgcagaac tcacgctggc      180
```

gggacgtttt tattgcgtca gggttgacat ccgtttttgt atccagtaac tctaaaagca   240

tatcgccccc nccngtacta gtcgacgcgt ggccanaacn cgnnnntcca ntntnncc   298

<210> 125
<211> 411
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (7)..(7)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>

```
<221> misc_feature
<222> (377)..(379)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<400> 125
gnaangnaaa acncgccgga catcccggat ccgggatcat atgacaagat gtgtatccac      60

cttaacttaa tgatttttac caaaatcatt aggggattca tcagnacngc nnattgnncc     120

cacggnggan taantngccc cngnttgnnn tctcgctgnt aanganaaat aacgtcttta     180

taacgancgc gagtnaataa cgcgccaaga tgatcaacct gaatacnctg gtactgggca     240

gtgcggtctg ggttatcgtg ccacagaatt tctaatgcag cgtattgggc gagggcgcga     300

tcggcaatgg cataacgntc actttcactg cgcgtaggca taaacgacag tctgaccagt     360

tcggcatgaa tatcagnnnt tgntgnacta gncnacgcgt ggncaaaaca t             411


<210> 126
<211> 388
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert


<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (178)..(178)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (180)..(180)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (185)..(185)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (188)..(188)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (192)..(192)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (276)..(276)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (307)..(307)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (310)..(310)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (312)..(312)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (315)..(316)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (318)..(318)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (326)..(326)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>  (328)..(328)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (330)..(330)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (332)..(333)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (337)..(337)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (339)..(339)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (342)..(342)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (345)..(345)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (352)..(352)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (354)..(354)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (358)..(358)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (360)..(361)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (363)..(364)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (371)..(372)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (378)..(379)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (384)..(384)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (387)..(387)
<223>  n is a, c, g, or t

<400>  126
cgnccggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat gatttttacc    60

aaaatcatta ggggattcat cagagcttaa taccggcatc cacgcataga tgtttacacc   120

tgagcgggta cgtaattgcc aggcaacccg actaaaaata tctgctttca ttggnctnan   180

acaancgngg anccagacct ctttgaccag cccatcacca tcgggatcag caaatgcctg   240

caaatacacg gttgatattt gcatatcttt cccccncgta ctagtcgacg cgtggccaca   300

ttacttntan tntannnatg gatccnantn anncggntnt anctngcctt gnangggngn   360

nannattatc nnctgccnnc gacnaant                                       388


<210>  127
<211>  410
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (4)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (17)..(17)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (317)..(317)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (339)..(339)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (343)..(343)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<400> 127
tttnngaaac acgccgnaca tcccggatcc gggatcatat gacaagatgt gtatccacct   60

taacttaatg attttacca aaaatcatta ggggattcat cagtggatta tgcggttgat   120

aaaaaagcga tcgatacagc tacgcgtcag acactgctcg gcaatagcct ggtcgttgta   180

gcaccgaaag ccagcgtgca gaaagatttc accatcgaca gcaaaaccaa ctggacttca   240

ctgctgaatg gcggtcgcct ggcggttggc gatccggaac atgttcccgc tggcatttat   300

gcaaaagaag cactgcnaaa actgggcgca tgggatacnc tcnctccgaa aatggncccn   360

cntaagntgn tcctaggggn ncnnncgcng gtcaccacnt aatcgaaccn   410

<210> 128
<211> 305
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (11)..(12)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(279)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature

```
<222>  (290)..(290)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (293)..(293)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (298)..(298)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (302)..(305)
<223>  n is a, c, g, or t

<400>  128
```

gcaaaaacga nncggccaag gatcatatga caagatgtgt atccacctta acttaatgat   60

ttttaccaaa aatcattagg ggattcatca ggaaagggca gcnttancgc cggcatgaat   120

accgatgaca ttctcacctt cgccattaac aaaaatcanc gccacacctg ttgattcgcc   180

tttgatctcg ctgaccggag taanatcccc ntnnnngnac tagtcnacgc gtggccatna   240

anttcnnncg accntangac ccnantcctg nnnttaannc ncgnntnccn tanttgcncc   300

annnn   305

```
<210>  129
<211>  450
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (9)..(9)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (15)..(15)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (19)..(19)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222>  (23)..(24)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (30)..(30)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (32)..(32)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (37)..(37)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (44)..(44)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (50)..(50)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (52)..(52)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (58)..(58)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (60)..(60)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (73)..(74)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (81)..(81)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (88)..(88)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (97)..(97)
<223>  n is a, c, g, or t
```

```
<220>
<221> misc_feature
<222> (101)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(281)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (352)..(352)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (354)..(354)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (358)..(358)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (360)..(360)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (365)..(365)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (373)..(374)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (404)..(404)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (419)..(421)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (428)..(428)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (443)..(444)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (449)..(449)
<223>  n is a, c, g, or t

<400>  129
cacanccgna catcngcgnt atnnctactn anaatgncgt gaantattcn cnactgcntn      60

acacttacac cgnntctcat nccggtangc accacanaaa nnttgaatat gaggcatgaa     120

tggtngttgg angccgggta acagccntca ttatgggngt tggcctcaac acgattttcc     180

tccntttaaa aaactcacgc cgntaccctg taacctcgca ccatactggc agggcagcng     240
```

```
acngattcgc ctgcgcatga aatgnanaaa cnntgggggat ncaccagggn gtaaatctng    300

ccagcgatnn ctgnnttnnt cttntganan gatncngaaa angggggntg cncncgtntn    360

ccggnaaaca tcnntaataa aactgggggcc aaagtaaaac gtcnggatat ccaatccann    420

ngtactantc gacgcgtggc cannactgnc                                      450
```

```
<210>  130
<211>  291
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (1)..(2)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (8)..(8)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (12)..(13)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (86)..(86)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (259)..(259)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (264)..(264)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (267)..(268)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (290)..(291)
<223>  n is a, c, g, or t

<400>  130
nnacgctncg gnncgggatc atatgacaag atgtgtatcc accttaactt aatgattttt     60

accaaaatca ttagggggatt catcanagtt aagtgtgaca gtggagttaa gtatgccaga    120
```

ggtacaaaca gatcatccag agacggcgga gttaagcaaa ccacagtcta cgcatggtcg   180

atctcaacta ttaaccgttt tcgatgccgt gatgcaggag caaaacatta ctcgtgccgc   240

tcatgttctg ggaatatcnc cccnctnngt actagtcgac gcgtggccan n   291

<210>   131
<211>   203
<212>   DNA
<213>   Artificial

<220>
<223>   partial gene with transposon insert

<220>
<221>   misc_feature
<222>   (3)..(3)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (5)..(5)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (82)..(83)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (101)..(101)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (115)..(115)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (120)..(120)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (127)..(127)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (132)..(132)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature
<222>   (136)..(136)
<223>   n is a, c, g, or t

<220>
<221>   misc_feature

```
<222>  (138)..(138)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (145)..(145)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (148)..(148)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (151)..(151)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (154)..(154)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (158)..(158)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (161)..(161)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (165)..(168)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (172)..(172)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (177)..(180)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (183)..(183)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (185)..(186)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (188)..(190)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (192)..(194)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (196)..(196)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (198)..(198)
<223>  n is a, c, g, or t

<400>  131
atncncgacc gggatcatat gacaagatgt gtatccacct taacttaatg attttttacca        60

aaatcattag gggattcatc anngtccagt aattcaatta naggaatcta tgcgngggan       120

aaacggntgg cngctncncg ctaangcnaa naantaancc ncctnnnnct angtatnnnn       180

ggncnntnnn annncngntt tct                                               203


<210>  132
<211>  327
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (2)..(3)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (5)..(6)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (12)..(12)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (15)..(15)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (86)..(86)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (93)..(93)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (95)..(95)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (99)..(99)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (118)..(118)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (122)..(122)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (124)..(126)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (128)..(128)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (132)..(133)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (138)..(138)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (141)..(142)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (145)..(145)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (152)..(152)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (154)..(154)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
```

```
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (196)..(196)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (198)..(199)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (201)..(201)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (205)..(205)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (213)..(213)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (215)..(215)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (218)..(218)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (222)..(222)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (239)..(239)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (241)..(242)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (250)..(250)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (253)..(254)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (256)..(256)
```

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>

```
<221>  misc_feature
<222>  (315)..(315)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (317)..(317)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (319)..(319)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (322)..(322)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (327)..(327)
<223>  n is a, c, g, or t

<400>  132
anncnncgac cnggntcata tgacaagatg tgtatccacc ttaacttaat gatttttacc      60

aaaatcatta ggggattcat cagtcnggcc gancnggcna tttccaccga ggcttatntc     120

cncnnntntc gnnctagncg nngcntggcc angnttncgn ccnncntnac ncnctccatn     180

antntnnccn ctntcncnna ntacngtgcc cgngnatncc cntcctccgt cggcccccnc     240

nngcttagcn gcnnantggc cnnnnnncaa nttangacga tcngccngcc cnntnaacng     300

ngttngccat ntncntncnc tnttatn                                        327


<210>  133
<211>  484
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert

<220>
<221>  misc_feature
<222>  (3)..(3)
<223>  n is a, c, g, or t

<400>  133
cgnccggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat gatttttacc      60

aaaatcatta ggggattcat cagaggcaag tccgtatgca aatctcctcg ggcaaaaagc     120

gcccggactt ctgcttcaaa acctgaagcc aacatctgat gaaacgctg ctcaatgcgt      180

tgatggagca gttcacggct cgccggggcg atggcgaact gatgcacctg atacggtaga     240

gcgtctcctg acgtttgcgt cagttccgtt aaagttttac ccgaaatgaa aaaaacttcc     300
```

```
agtgcccggg aaagcctttg tggatcattt ggatgaatcc ttgctgccgc aaccggatct    360

acctcctgaa gttgacgatg caatgactcc caaccttgct ctgccgcctg ttgctcaatt    420

ctggcccgta cttccgggtc tgccgacggt agcggcgaca acccttccag caatgccttg    480

aaat                                                                484
```

```
<210>    134
<211>    300
<212>    DNA
<213>    Artificial

<220>
<223>    partial gene with transposon insert


<220>
<221>    misc_feature
<222>    (2)..(2)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (135)..(135)
<223>    n is a, c, g, or t

<400>    134
gncggatccg gtatatatga caagatgtgt atccacctta acttaatgat ttttaccaaa     60

atcattaggg gattcatcag gatggggcat caaccagata gcttcattgc ttaagaaaag    120

taataaaact atcancgccc aaaaaaacag tgcgatgcgt cgactggcaa ttcacagcaa    180

cgctgaaatg tatgcatgga taaatagcgc gcagggtgca agagaactta acttgccttc    240

tgtttatgga gatgccgcag aatggaacac agccgaatta agaagagaaa tgtcgcactc    300
```

```
<210>    135
<211>    388
<212>    DNA
<213>    Artificial

<220>
<223>    partial gene with transposon insert


<220>
<221>    misc_feature
<222>    (1)..(3)
<223>    n is a, c, g, or t

<220>
<221>    misc_feature
<222>    (368)..(368)
<223>    n is a, c, g, or t

<400>    135
nnnaaagcac gccggacatc cgatccggga tcatatgaca agatgtgtat ccaccttaac     60

ttaatgattt ttaccaaaat cattagggga ttcatcagac ccaatattgc ccccagggcg    120
```

```
gaataatttg ccccgtcttt tttaatcgct gatagtgaga aataacgtct ttataacgat     180

cgcgagttat aacgcgccaa gatgatcaac ctgaatacgc tggtactggg cagtgcggtc     240

tgggttatcg tgccacagaa tttctaatgc agcgtattgg gcgagggcgc gatcggcaat     300

ggcataacgt tcactttcac tgcgcgtagg cataaacgac agtctgacca gttcggcatg     360

aatatcancg cgaatagtac tagtcgac                                        388
```

```
<210>  136
<211>  345
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (1)..(4)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (10)..(10)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (319)..(320)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (322)..(324)
<223>  n is a, c, g, or t

<400>  136
nnnngaagcn cgccggacat cccggatccg ggatcatatg acaagatgtg tatccacctt     60

aacttaatga tttttaccaa aatcattagg ggattcatca gtaccacgcc cctaatattg     120

ctattgtaat accaataatt tgctaaggcc tctgactttc tggccgcaat caatacgacc     180

tgtttcccct ttaccgcgga taaccattca ttatcacggt ttataaattc agataaagaa     240

tccgtactga gattgataaa cacgaaatct tttctaattt tctccaacga tagataaatt     300

aatctgtcga tatcccccnn cnnngtacta gtcgacgcgt ggcca                     345
```

```
<210>  137
<211>  452
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert
```

<220>
<221> misc_feature
<222> (1)..(1)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<400> 137
nacgaccgga tccgggatca tatgacaaga tgtgtatcca ccttaactta atgattttta   60

ccaaaatcat taggggattc atcagggcca gaagccgact tcagttctat tttttgctgg   120

cagtggcgaa tgccgtcgtg ttaattgtct gggcgctgta caataagctg cgttttcaaa   180

aacagcagca tcatgcagcc taccaatata cgccgcaaga atatgcagag agcttagcaa   240

tacctgatga gctctatcag caactacaaa aaagccacag gatgagcgta cacttcacca   300

gccaggggca aataaaaatg gttgtttcag aaaaagcgct agtccgggca taaacaccca   360

aaacaaagcc cggttcgccc gggctctgca ccgataacac acttaactgt aggcatgcag   420

cgtacgttgg caaagtgccg aacgtacgca nt   452

<210> 138
<211> 350
<212> DNA
<213> Artificial

<220>
<223> partial gene with transposon insert

<220>
<221> misc_feature
<222> (2)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

```
<220>
<221>  misc_feature
<222>  (137)..(137)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (140)..(140)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (145)..(145)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (148)..(148)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (163)..(163)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (175)..(175)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (179)..(180)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (194)..(195)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (201)..(201)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (206)..(207)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (212)..(212)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (214)..(214)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (216)..(216)
```

```
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (218)..(218)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (224)..(225)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (228)..(229)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (231)..(233)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (241)..(241)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (245)..(245)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (253)..(253)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (258)..(258)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (261)..(262)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (264)..(264)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (272)..(272)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (276)..(277)
<223>  n is a, c, g, or t

<220>
```

```
<221>  misc_feature
<222>  (282)..(282)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (287)..(287)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (289)..(289)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (291)..(292)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (294)..(294)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (296)..(296)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (299)..(300)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (307)..(308)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (311)..(311)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (314)..(316)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (318)..(319)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (321)..(321)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (323)..(323)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (327)..(327)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (338)..(338)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (342)..(342)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (347)..(347)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (349)..(350)
<223>  n is a, c, g, or t

<400>  138
anacncgtcc gggatcatat gacaagatgt gtatccacct taacttaatg attttacca        60

aaatcattan gggattcatc agtgtggtgt ccggtaaata tgaaaaaggc atnaaactgc       120

nccacgagcc cactgcnaan gatgnggnaa tctccgcccc gcngcctctc tggcnggtnn       180

ccgttctcac cttnnacacc nccccnngct cncntncnct cccnnacnnc nnnttctctc       240

ngcancccac ttnatctncc nncnccctcc cnacgnntcc cnccccncng nncnantgnn       300

ttggctnncg nccnnnannc ncnctcntcc tggcctcnct cnttacncnn                  350


<210>  139
<211>  190
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (1)..(2)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (158)..(159)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (163)..(166)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (189)..(190)
<223>  n is a, c, g, or t
```

```
<400>  139
nncgatccgg gatcattgac aagatgtgta tccaccttaa cttaatgatt tttaccaaaa    60

tcattagggg attcatcagc acttgttgcc acgtggcaaa atattctcga tcgaccaact   120

catcgccaaa ttttacttgt ttatccgctg gcatatcnnc ccnnnncgta ctagtcgacg   180

cgtggccann                                                          190
```

```
<210>  140
<211>  455
<212>  DNA
<213>  Artificial
```

```
<220>
<223>  partial gene with transposon insert
```

```
<220>
<221>  misc_feature
<222>  (3)..(3)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (426)..(427)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (429)..(429)
<223>  n is a, c, g, or t
```

```
<220>
<221>  misc_feature
<222>  (432)..(432)
<223>  n is a, c, g, or t
```

```
<400>  140
cgnccggatc cgggatcata tgacaagatg tgtatccacc ttaacttaat gattttaccc    60

aaaatcatta ggggattcat cagggcatca accagatagc ttcattgctt aagaaaagta   120

ataaaactat cagcgcccaa aaaaacagtg cgatgcgtcg actggcaatt cacagcaacg   180

ctgaaatgta tgcatggata aatagcgcgc agggtgcaag agaacttaac ttgccttctg   240

tttatggaga tgccgcagaa tggaacacag ccgaattaag aagagaaatg tcgcactcat   300

agaaaaatgc gtcatgagta gtatcggtat tgagagttta ttcagaaagt ttgcgggtaa   360

cccttataag ctccatacct ataccagtca ggagtcattt caggatgcca tgtcgcggat   420

atcccnncnc cncgtactag tcgacgcgtg gccaa                              455
```

```
<210>  141
<211>  224
<212>  DNA
<213>  Artificial

<220>
<223>  partial gene with transposon insert


<220>
<221>  misc_feature
<222>  (5)..(5)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (7)..(7)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (189)..(189)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (191)..(191)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (193)..(198)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (222)..(222)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (224)..(224)
<223>  n is a, c, g, or t

<400>  141
aaaancncgc cggacatccc ggatccggga tcatatgaca aggatgtgta tccaccttaa      60

cttaatgatt tttaccaaaa tcattagggg attcatcagt attaatcgcc aataatccct     120

cattaaaaga gtttgcccag caaattatta ccgtacagga aaaatcacca caacggataa     180

tgcatatcnc ncnnnnnngt actagtcgac gcgtggccac anan                      224
```